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## Delivery list with illustrations

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### 01 Machines

#### [EM100 insulation blowing machine](#)

Art. 3550



Klick me! (Image similar)

Compact insulation blowing machine for processing cellulose, loose insulation and bulkware

##### Technical details:

Power supply: 230V / 10-16A or 110V / 15 A (special version)  
 Hopper volume: approx. 150 L  
 Voltage indicator: on electrical switchboard  
 Throughput: up to approx. 320 kg/h (max.) cellulose insulation, fiberglass: 75 kg/h  
 Air feed unit: radial fan (Pmax = 250mbar)  
 Air flow (nominal/gauged): 220/190m³/h  
 Dimensions: approx. 1300 x 600 x 500 (L x W x H)

##### Scope of delivery:

- EM100 Insulation blowing machine incl. voltage indicator
- Power adapter 230V (L=10m)
- Cable remote control with 30m control cable
- Operating instructions

##### Advantages:

- Modular and easy to maintain electronics with standard components
- CE compliant
- One year warranty (except wearing parts)
- Detailed operating instructions in the respective language
- Amplified blower with increased lifetime
- Durable polyurethane rubber sealings
- Good material conditioning for open-blowing
- Voltage indicator included
- Can be ordered ready for use with radio remote control
- High-quality air filter, washable, easy to clean

##### Optional accessories:

- Socket spanner NW13 (prod. no. 832)
- Case for small parts (prod. no. 104)
- Radio remote control FFB500, bidirectional (prod. no. 6708)
- Pressure gauge, D=117mm (prod. no. 7079)
- S shaped hook, aluminium (prod. no. 4367)
- Sack support (prod. no. 4714)

#### [EM 320 -2x230V-7,0kW High-powered compact insulation blowing machine](#)

Art. 5760



Klick me! (Image similar)

Heavy duty compact insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

##### Important features:

The innovative 2-stage material conditioning unit with the three shafts and an additional shredding shaft can easily break up and finely shred highly compacted processing materials (max. 220kg/m³ packing density). The material flow volume can be set by the airlock feed gate's position and the airlock rotor's rotational speed. Three high-powered radial fans

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generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with two 230V~/16A electrical connections. If only one 230V connection is available, the machine can be operated with reduced air power. For more information, see product data sheet.

## Technical details:

- Power/material throughput: up to 1050kg/h (based on cellulose), depending on application, material and delivery
  - Hopper volume: 0,315 m<sup>3</sup>
  - Dimensions: 990 x 830 x 1740 (L x W x H)
  - Empty weight: 257 kg
  - Filling height: 1250 mm
  - Conditioning: 3x shafts, 1x shredding shaft
  - Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate
  - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
  - Electrical connection: 2x 230V/50Hz (+/- 5%), operation with 1x 230V/50Hz possible with reduced air power, each with 16A (type B or C circuit breaker or slow blow screw in plug fuse)
  - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
  - Power rating: 7,0kW
  - Blower: 3x high-powered radial fans with 5,1kW total power
  - Conveying pressure: max. 360mbar
  - Air flow (nominal/gauged): 590/480m<sup>3</sup>/h
  - Airlock volume: 18.5 L
  - Outlet: NW75 (3") (direct reduction to NW63 (2 1/2") or NW50 (2") possible)
  - Airlock chamber ventilation for optimal processing throughputs
  - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

## Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:  
1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW13/10, 1x socket spanner SW13, 1x silicone spray, 2x 230V/10m power cable (earthed-CEE), 1x control cable on reel 50m, approx. 2m NW90 air suction hose, machine folder incl. operating instructions, inspection records and EC declaration of conformity

## Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Additional option airlock feed gate controllable via remote (prod. no. 7448)
- Direct extension NW75>90 (3">3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Mains voltage display for 230V connection (prod. no. 4604, up to 2 pieces)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. no. 5246)
- Additional option for blower 3, controllable via speed controller (prod. no. 7730)
- Ventilation clamp NW75 (3") (prod. no. 8174)
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

**EM 325-3x230V-10,2kW High-powered compact insulation blowing machine****Art. 6971**

Klick me! (Image similar)

Heavy duty compact insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

## Important features:

The innovative 2-stage material conditioning unit with the three shafts and an additional shredding shaft can easily break up and finely shred highly compacted processing materials (max. 220kg/m<sup>3</sup> packing density). The material flow volume can be set by the airlock feed gate's position and the airlock rotor's rotational speed. Three and two additional high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with three 230V~/16A electrical connections. If only one or two 230V connections are available, the machine can be operated with reduced air power. For more information, see product data sheet.

## Technical details:

- Power/material throughput: up to 1250kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 0,315 m<sup>3</sup>
- Dimensions: 990 x 830 x 1740 (L x W x H)
- Empty weight: 267 kg
- Filling height: 1250 mm
- Conditioning: 3x shafts, 1x shredding shaft
- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 3x 230V/50Hz (+/- 5%), operation with 1x 230V/50Hz (minimum operation mode) and 2x 230V/50Hz possible with reduced air power, each with 16A (type B or C circuit breaker or slow blow screw in plug fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 10,2kW

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- Blower: 5x high-powered radial fans with 8,25 kW total power
- Main blowers 1 + 2 (each 1,8 kW): controllable via speed controller
- Main blower 3 (1,45 kW): not controllable via speed controller (booster)
- Amplifier blowers: blower 4 (1,8 kW) and blower 5 (1,4 kW) both controllable via speed controller
- Conveying pressure: max. 375 mbar
- Air flow (nominal/gauged): 995/765 m<sup>3</sup>/h
- Airlock volume: 18,5 L
- Outlet airlock: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
- Outlet amplifier: NW63 (2½")
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

## Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
  - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key,
  - 1x open-ended spanner SW13/10, 1x socket spanner SW13, 1x silicone spray, 3x 230V/10m power cable (earthed-CEE),
  - 1x control cable on reel 50m, approx. 2m NW90 air suction hose, connection set for amplifier blowers (hoses, Y-piece, clamps), machine folder incl. operating instructions, inspection records and EC declaration of conformity

## Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Additional option airlock feed gate controllable via remote (prod. no. 7448)
- Direct extension NW75>90 (3" > 3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Mains voltage display for 230V connection (prod. no. 4604, up to 3 pieces)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. no. 5246)
- Ventilation clamp NW75 (3") (prod. no. 8174)
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

**EM 340-400V-7,3kW High-powered compact insulation blowing machine****Art. 5770**

Klick me! (Image similar)

Heavy duty compact insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

## Important features:

The innovative 2-stage material conditioning unit with the three shafts and an additional shredding shaft can easily break up and finely shred highly compacted processing materials (max. 220kg/m<sup>3</sup> packing density). The material flow volume can be set by the airlock feed gate's position and the airlock rotor's rotational speed. Three high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with a 400V/16A three-phase power connection (CEKON). For more information, see product data sheet.

## Technical details:

- Power/material throughput: up to 1200kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 0,315 m<sup>3</sup>
- Dimensions: 990 x 830 x 1740 (L x W x H)
- Empty weight: 262 kg
- Filling height: 1250 mm
- Conditioning: 3x shafts, 1x shredding shaft
- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 400V/50Hz/3x16A-PE (+/- 5%), each with 16A (type B or C circuit breaker or slow blow screw in plug fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 7,3 kW
- Blower: 5x high-powered radial fans with 5,4 kW total power
- Conveying pressure: max. 405 mbar
- Air flow (nominal/gauged): 585/500 m<sup>3</sup>/h
- Airlock volume: 18,5 L
- Outlet: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

## Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
  - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key,
  - 1x open-ended spanner SW13/10, 1x socket spanner SW13, 1x silicone spray, 1x 400V/10m power cable (earthed-CEE),
  - 1x control cable on reel 50m, approx. 2m NW90 air suction hose, machine folder incl. operating instructions, inspection records and EC declaration of conformity

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## Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Additional option airlock feed gate controllable via remote (prod. no. 6356)
- Direct extension NW75>90 (3" > 3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. no. 5246)
- Additional option for blower 3, controllable via speed controller (prod. no. 7730)
- Ventilation clamp NW75 (3") (prod. no. 8174)
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

## Power supply options:

- 400V phase adaptor and neutral conductor monitor with cut-out protective system (prod. no. 4553)
- Power adaptor 400V, 25m ring (prod. no. 2492)

## At on-site feeding point with a 32A connection:

- Power adaptor socket strip 400V / 32A > 2x400V / 16A (prod. no. 7273)
- Power adaptor 400V/32A, 10m ring, CEE (prod. no. 7274)

**EM 345-400V/10,5kW High-powered compact insulation blowing machine****Art. 7129**

Klick me! (Image similar)

Heavy duty compact insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

## Important features:

The innovative 2-stage material conditioning unit with the three shafts and an additional shredding shaft can easily break up and finely shred highly compacted processing materials (max. 220kg/m<sup>3</sup> packing density). The material flow volume can be set by the airlock feed gate's position and the airlock rotor's rotational speed. Three and two additional high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/16A three-phase power connection (CEKON) and one 230V power connection. For more information, see product data sheet.

## Technical details:

- Power/material throughput: up to 1400kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 0,315 m<sup>3</sup>
- Dimensions: 990 x 830 x 1740 (L x W x H)
- Empty weight: 262 kg
- Filling height: 1250 mm
- Conditioning: 3x shafts, 1x shredding shaft
- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 400V/ 50Hz/16A (+/- 5%) and 1x 230V~/16 A each with 16A (type B or C circuit breaker or slow blow screw in plug fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 10,5 kW
- Blower: 5x high-powered radial fans with 8,5 kW total power
  - Main blowers 1 + 2 (each 1,8 kW): controllable via speed controller
  - Main blower 3 (1,8 kW): not controllable via speed controller (booster)
  - Amplifier blowers: blower 4 (1,8 kW) and blower 5 (1,4 kW) both controllable via speed controller
- Conveying pressure: max. 400 mbar
- Air flow (nominal/gauged): 960/785 m<sup>3</sup>/h
- Airlock volume: 18,5 L
- Outlet airlock: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
- Outlet amplifier: NW63 (2½")
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

## Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
  - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW13/10, 1x socket spanner SW13, 1x silicone spray, 1x 400V/10m power cable (earthed-CEE), 1x 230V/10m power cable (earthed-CEE), 1x control cable on reel 50m, approx. 2m NW90 air suction hose, connection set for amplifier blowers (hoses, Y-piece, clamps), machine folder incl. operating instructions, inspection records and EC declaration of conformity

## Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Additional option airlock feed gate controllable via remote (prod. no. 6356)
- Direct extension NW75>90 (3" > 3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. no. 5246)
- 400V phase- and neutral conductor monitor with cut-out protective system (prod. no. 4553)
- Ventilation clamp NW75 (3") (prod. no. 8174)
- Insulation blowing tools (various prod. no.)

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- For more accessories, see price list / available on request

**EM 360-400V/6,0kW High-powered compact insulation blowing machine****Art. 6007**

Klick!me! (Image similar)

Heavy duty compact insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

**Important features:**

The innovative 2-stage material conditioning unit with the three shafts and an additional shredding shaft can easily break up and finely shred highly compacted processing materials (max. 220kg/m<sup>3</sup> packing density). The material flow volume can be set by the airlock feed gate's position and the airlock rotor's rotational speed. A 3-stage turbine generates the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with a 400V/16A three-phase power connection (CEKON). For more information, see product data sheet.

**Technical details:**

- Power/material throughput: up to 1200kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 0,315 m<sup>3</sup>
- Dimensions: 990 x 830 x 1740 (L x W x H)
- Empty weight: 280 kg
- Filling height: 1250 mm
- Conditioning: 3x shafts, 1x shredding shaft
- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 400V/50Hz/3x16A-PE (+/- 5%), each with 16A (type B or C circuit breaker or slow blow screw in plug fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 6,0 kW
- Blower: 1x 3-stage turbine, 4,0 kW
- Conveying pressure: max. 400 mbar
- Air flow (nominal/gauged): 380/375 m<sup>3</sup>/h
- Airlock volume: 18,5 L
- Outlet: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

**Scope of delivery:**

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
  - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW13/10, 1x socket spanner SW13, 1x silicone spray, 1x 400V/10m power cable (earthed-CEE), 1x control cable on reel 50m, approx. 2m NW90 air suction hose, machine folder incl. operating instructions, inspection records and EC declaration of conformity

**Optional equipment:**

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Additional option airlock feed gate controllable via remote (prod. no. 6356)
- Direct extension NW75>90 (3">3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. no. 5246)
- Ventilation clamp NW75 (3") (prod. no. 8174)
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

**Power supply options:**

- 400V phase adaptor and neutral conductor monitor with cut-out protective system (prod. no. 4553)
- Power adaptor 400V, 25m ring (prod. no. 2492)

**At on-site feeding point with a 32A connection:**

- Power adaptor socket strip 400V / 32A > 2x400V / 16A (prod. no. 7273)
- Power adaptor 400V/32A, 10m ring, CEE (prod. no. 7274)

**EM 365-400V/9,2kW High-powered compact insulation blowing machine****Art. 6268**

Klick!me! (Image similar)

Heavy duty compact insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

**Important features:**

The innovative 2-stage material conditioning unit with the three shafts and an additional shredding shaft can easily break up and finely shred highly compacted processing materials (max. 220kg/m<sup>3</sup> packing density). The material flow volume can be set by the airlock feed gate's position and the airlock rotor's rotational speed. A 3-stage turbine and two additional high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/16A three-phase power connection (CEKON) and one 230V power connection. For more information, see product data sheet.

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## Technical details:

- Power/material throughput: up to 1400kg/h (based on cellulose), depending on application, material and delivery
  - Hopper volume: 0,315 m<sup>3</sup>
  - Dimensions: 990 x 830 x 1740 (L x W x H)
  - Empty weight: 290 kg
  - Filling height: 1250 mm
  - Conditioning: 3x shafts, 1x shredding shaft
  - Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate
  - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
  - Electrical connection: 1x 400V/ 50Hz/16A (+/- 5%) and 1x 230V~/16 A each with 16A (type B or C circuit breaker or slow blow screw in plug fuse)
  - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
  - Power rating: 9,2 kW
  - Blower: 1x 3-stage turbine 4,0 kW and 2x high-powered radial fans with 3,3 kW total power
  - Conveying pressure: max. 420 mbar
  - Air flow (nominal/gauged): 795/660 m<sup>3</sup>/h
  - Airlock volume: 18.5 L
  - Outlet airlock: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
  - Outlet amplifier: NW63 (2½")
  - Airlock chamber ventilation for optimal processing throughputs
  - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

## Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
  - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW13/10, 1x socket spanner SW13, 1x silicone spray, 1x 400V/10m power cable (earthed-CEE), 1x 230V/10m power cable (earthed-CEE), 1x control cable on reel 50m, approx. 2m NW90 air suction hose, connection set for amplifier blowers (hoses, Y-piece, clamps), machine folder incl. operating instructions, inspection records and EC declaration of conformity

## Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Additional option airlock feed gate controllable via remote (prod. no. 7449)
- Direct extension NW75>90 (3">3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. no. 5246)
- Mains voltage display for 230V connection (prod. no. 4604)
- Ventilation clamp NW75 (3") (prod. no. 8174)
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

## Power supply options:

- 400V phase adaptor and neutral conductor monitor with cut-out protective system (prod. no. 4553)
- Power adaptor 400V, 25m ring (prod. no. 2492)

## At on-site feeding point with a 32A connection:

- Power adaptor socket strip 400V / 32A > 2x400V / 16A (prod. no. 7273)
- Power adaptor 400V/32A, 10m ring, CEE (prod. no. 7274)

**EM 400-400V/7,5kW High-powered insulation blowing machine****Art. 3316**

Klick me! (Image similar)

Heavy duty insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, rock wool and many more professionally. Due to its design, the machine is ideally suited for both stationary plant use and mobile use on-site.

## Important features:

The 2-stage material conditioning unit, consisting of four shredding shafts and one shredder, can easily break up and finely shred highly compacted processing materials (max. 200kg/m<sup>3</sup> packing density). If necessary, the shredder can be removed and replaced by a section of smooth metal. The material flow volume can be set by the airlock feed gate's position. A 5-stage turbine generates the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/16A three-phase power connection (CEKON). For more information, see product data sheet.

## Technical details:

- Power/material throughput: up to 1600kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 1,0 m<sup>3</sup>
- Dimensions: 1300 x 1020 x 1800 (L x W x H)
- Empty weight: 410 kg
- Filling height: 1260 mm
- Conditioning: 4x shredding shafts, 1x shredder
- Material setting: controllable via control by setting the electrical airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 400 V/50 Hz/3x16A/N/PE (+/- 5%) (fuse protection Automat C or safety fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.

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- Power rating: 7,5 kW
  - Blower: 1x 5-stage turbine 5,5 kW, Pmax. 500 mbar
  - Air flow volume: 100-430 m³/h
  - Conveying pressure: max. 520 mbar
  - Air flow (nominal/gauged): 450/410 m³/h
  - Airlock volume: 20 L
  - Outlet: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
  - Airlock chamber ventilation for optimal processing throughputs
  - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

## Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment

- Basic machine set, consisting of:

1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank tool, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner NW13, 1x open-ended spanner NW24, 1x socket spanner NW13, 1x silicone spray, 1x hose clamp NW90, 1x quick-connect clamp NW75, 1x belt tension measuring device, 1x reducer piece 90>76 with O-ring, 1x 400V/10m power cable (earthed-CEE), 1x control cable on reel 50m, approx. 2m NW90 air suction hose, machine folder incl. operating instructions, inspection records and EC declaration of conformity

## Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Additional option AE - blow-off unit (prod. no. 4038)
- Additional option DS - adjustable airlock rotation speed (prod. no. 5060)
- Additional option upper attachment V=0,914m³ (prod. no. 8522)
- Mounting foot (prod. no. 5301)
- Intake socket 90° NW90 (prod. no. 5613)
- Direct extension NW75>90 (3">3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. no. 5246)
- 400V phase adaptor and neutral conductor monitor with cut-out protective system (prod. no. 4553)
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

**EM 430-400V/9,5kW High-powered insulation blowing machine****Art. 5802**

Klick me! (Image similar)

Heavy duty insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, rock wool and many more professionally. Due to its design, the machine is ideally suited for both stationary plant use and mobile use on-site.

## Important features:

The 2-stage material conditioning unit, consisting of four shredding shafts and one shredder, can easily break up and finely shred highly compacted processing materials (max. 200kg/m³ packing density). If necessary, the shredder can be removed and replaced by a section of smooth metal. The material flow volume can be set by the airlock feed gate's position. A 5-stage turbine generates the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/16A three-phase power connection (CEKON). For more information, see product data sheet.

## Technical details:

- Power/material throughput: up to 1600kg/h (based on cellulose), depending on application, material and delivery
  - Hopper volume: 1,0 m³
  - Dimensions: 1300 x 1020 x 1800 (L x W x H)
  - Empty weight: 427 kg
  - Filling height: 1260 mm
  - Conditioning: 4x shredding shafts, 1x shredder
  - Material setting: controllable via control by setting the electrical airlock feed gate
  - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
  - Electrical connection: 1x 400 V/50 Hz/3x16A/N/PE (+/- 5%) (fuse protection Automat C or safety fuse)
  - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
  - Power rating: 9,5 kW
  - Blower: 1x 5-stage turbine 7,5 kW
  - Conveying pressure: max. 520 mbar
  - Air flow (nominal/gauged): 490/420 m³/h
  - Airlock volume: 20 L
  - Outlet: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
  - Airlock chamber ventilation for optimal processing throughputs
  - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

## Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment

- Basic machine set, consisting of:

1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank tool, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner NW13, 1x open-ended spanner NW24, 1x socket spanner NW13, 1x silicone spray, 1x hose clamp NW90, 1x quick-connect clamp NW75, 1x belt tension measuring device, 1x reducer piece 90>76 with O-ring, 1x 400V/10m power cable (earthed-CEE), 1x control cable on reel 50m, approx. 2m NW90 air suction hose, machine folder incl. operating instructions, inspection records and EC declaration of conformity

**01 Machines**

## Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Additional option AE - blow-off unit (prod. no. 4038)
- Additional option DS - adjustable airlock rotation speed (prod. no. 5060)
- Additional option upper attachment V=0,914m<sup>3</sup> (prod. no. 8522)
- Mounting foot (prod. no. 5301)
- Intake socket 90° NW90 (prod. no. 5613)
- Direct extension NW75>90 (3" > 3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. no. 5246)
- 400V phase adaptor and neutral conductor monitor with cut-out protective system (prod. no. 4553)
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

**EM 440-3x230V/10.0kW High-powered insulation blowing machine****Art. 6253**

Klick me! (Image enlarger)

Heavy duty insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, rock wool and many more professionally. Due to its design, the machine is ideally suited for both stationary plant use and mobile use on-site.

## Important features:

The 2-stage material conditioning unit, consisting of four shredding shafts and one shredder, can easily break up and finely shred highly compacted processing materials (max. 200kg/m<sup>3</sup> packing density). If necessary, the shredder can be removed and replaced by a section of smooth metal. The material flow volume can be set by the airlock feed gate's position. 5 high-powered radial fans generate the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with three 230V/16A power connections. For more information, see product data sheet.

## Technical details:

- Power/material throughput: up to 1600kg/h (based on cellulose), depending on application, material and delivery
  - Hopper volume: 1,0 m<sup>3</sup>
  - Dimensions: 1300 x 1020 x 1800 (L x W x H)
  - Empty weight: 460 kg
  - Filling height: 1260 mm
  - Conditioning: 4x shredding shafts, 1x shredder
  - Material setting: controllable via control by setting the electrical airlock feed gate
  - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
  - Electrical connection: 3x 230V/50 Hz/16A (full load) (+/- 5%), operation with 2x 230V/50 Hz/16A or 1x 230V/50 Hz/16A at reduced air power possible
  - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
  - Power rating: 10,0 kW
  - Blower: 5x high-powered radial fans (2x 1,8 kW, 3x 1,45 kW)
  - Conveying pressure: max. 380 mbar
  - Air flow (nominal/gauged): 975/850 m<sup>3</sup>/h
  - Airlock volume: 20 L
  - Outlet: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
  - Airlock chamber ventilation for optimal processing throughputs
  - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

## Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
  - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank tool, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner NW13, 1x open-ended spanner NW24, 1x socket spanner NW13, 1x silicone spray, 1x hose clamp NW90, 1x quick-connect clamp NW75, 1x belt tension measuring device, 3x 230V/10m power cable, 1x control cable on reel 50m, approx. 2m NW90 air suction hose, approx. 2m NW75 air suction hose, 1x connection set for amplifier (hoses, clamps, Y-piece) machine folder incl. operating instructions, inspection records and EC declaration of conformity

## Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Additional option AE - blow-off unit (prod. no. 6526)
- Additional option DS - adjustable airlock rotation speed (prod. no. 5060)
- Additional option upper attachment V=0,914m<sup>3</sup> (prod. no. 8522)
- Mounting foot (prod. no. 5301)
- Intake socket 90° NW90 (prod. no. 5613)
- Intake socket 87° NW75 (prod. no. 8165)
- Direct extension NW75>90 (3" > 3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. no. 5246)
- Mains voltage display for 230V connection (prod. no. 4604, up to 3 pieces)
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

**01 Machines****EM 440-400V/10,5kW High-powered insulation blowing machine****Art. 4662**

Klick me! (image similar)

Heavy duty insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, rock wool and many more professionally. Due to its design, the machine is ideally suited for both stationary plant use and mobile use on-site.

**Important features:**

The 2-stage material conditioning unit, consisting of four shredding shafts and one shredder, can easily break up and finely shred highly compacted processing materials (max. 200kg/m<sup>3</sup> packing density). If necessary, the shredder can be removed and replaced by a section of smooth metal. The material flow volume can be set by the airlock feed gate's position. A 5-stage high-powered turbine and two additional high-powered radial fans generate the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with two 400V/16A power connections. For more information, see product data sheet.

**Technical details:**

- Power/material throughput: up to 1600kg/h (based on cellulose), depending on application, material and delivery
  - Hopper volume: 1,0 m<sup>3</sup>
  - Dimensions: 1300 x 1020 x 1800 (L x W x H)
  - Empty weight: 460 kg
  - Filling height: 1260 mm
  - Conditioning: 4x shredding shafts, 1x shredder
  - Material setting: controllable via control by setting the electrical airlock feed gate
  - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
  - Electrical connection: 2x 400V/50 Hz/3x16A/N/PE (+/- 5%), operation with 1x 400V and 1x 230V possible (electrical fuse Automat C or safety fuse)
  - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
  - Power rating: 10,5 kW
  - Blower: 5-stage high-powered turbine 5,5 kW, 2x high-powered radial fans 2x 1,45 kW
  - Conveying pressure: max. 580 mbar
  - Air flow (nominal/gauged): 800/650 m<sup>3</sup>/h
  - Airlock volume: 20 L
  - Outlet: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
  - Airlock chamber ventilation for optimal processing throughputs
  - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

**Scope of delivery:**

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
  - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank tool, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner NW13, 1x open-ended spanner NW24, 1x socket spanner NW13, 1x silicone spray, 1x hose clamp NW90, 1x quick-connect clamp NW75, 1x belt tension measuring device, 2x 400V/10m power cable, 1x power adapter 230V>400V 16A L= 0,5m, 1x control cable on reel 50m, approx. 2m NW90 air suction hose, approx. 2m NW75 air suction hose, 1x connection set for amplifier (hoses, clamps, Y-piece) machine folder incl. operating instructions, inspection records and EC declaration of conformity

**Optional equipment:**

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Additional option AE - blow-off unit (prod. no. 4038)
- Additional option DS - adjustable airlock rotation speed (prod. no. 5060)
- Additional option upper attachment V=0,914m<sup>3</sup> (prod. no. 8522)
- Mounting foot (prod. no. 5301)
- Intake socket 90° NW90 (prod. no. 5613)
- Intake socket 87° NW75 (prod. no. 8165)
- Direct extension NW75>90 (3">3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. no. 5246)
- Mains voltage display for 230V connection (prod. no. 4604)
- Increasing the air power from 10,5 kW > 10,8 kW (prod. no. 8126)
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

**Power supply options:**

- 400V phase adaptor and neutral conductor monitor with cut-out protective system (prod. no. 4553)
- Power adaptor 400V, 25m ring (prod. no. 2492)

**At on-site feeding point with a 32A connection:**

- Power adaptor socket strip 400V / 32A > 2x400V / 16A (prod. no. 7273)
- Power adaptor 400V/32A, 10m ring, CEE (prod. no. 7274)

**01 Machines****EM 500-400V-9.5kW High-powered insulation blowing machine****Art. 4817**

Klick me! (Image similar)

Heavy duty insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, rock wool and many more professionally. Due to its design, the machine is ideally suited for both stationary plant use and mobile use on-site.

**Important features:**

Different than conventional insulation blowing machines, the processing material will be fed into the machine at table height and transported with a conveyor belt to the conditioning unit. The 3-stage material conditioning unit, consisting of one shredder and two shredding shafts, can easily break up and finely shred highly compacted processing materials (max. 175kg/m<sup>3</sup> packing density). The material flow volume can be set by the airlock feed gate's position. A high-powered turbine generates the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/3x16A power connections. For more information, see product data sheet.

**Technical details:**

- Power/material throughput: up to 1800kg/h (based on cellulose), depending on application, material and delivery
  - Hopper volume: 0,4 m<sup>3</sup>
  - Dimensions: 1520 x 800 x 1300 (L x W x H)
  - Empty weight: 390 kg
  - Filling height: 860 mm
  - Conditioning: 2x shredding shafts, 1x shredder
  - Material setting: controllable via control by setting the electrical airlock feed gate or via the airlock's rotational speed (DS-option)
  - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
  - Electrical connection: 1x 400V/50 Hz/3x16A/N/PE (+/- 5%) (electrical fuse Automat B or C or slow screw-in fuse)
  - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
  - Power rating: 9,5 kW
  - Blower: high-powered turbine 7,5 kW
  - Conveying pressure: max. 500 mbar
  - Air flow (nominal/gauged): 490/450 m<sup>3</sup>/h
  - Airlock volume: 36 L
  - Outlet: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
  - Airlock chamber ventilation for optimal processing throughputs
  - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

**Scope of delivery:**

- Fully functional insulation blowing machine, consisting of machine base, foldable machine top with dust curtain and dust-reducing connection, feed table
- Basic machine set, consisting of:
  - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank tool, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner NW13, 1x open-ended spanner NW24, 1x socket spanner NW13, 1x silicone spray, 1x hose clamp NW90, 1x quick-connect clamp NW75, 1x belt tension measuring device, 1x 400V/10m power cable (CEKON), 1x control cable on reel 50m, approx. 2m NW90 air suction hose, 1x reducer piece PE 90>76 with O-ring, machine folder incl. operating instructions, inspection records and EC declaration of conformity

**Optional equipment:**

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Additional option AE - blow-off unit (prod. no. 4038)
- Additional option DS - adjustable airlock rotation speed (prod. no. 5060)
- Mounting foot (prod. no. 5301)
- Intake socket 90° NW90 (prod. no. 5613)
- Direct extension NW75>90 (3" > 3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. no. 5246)
- Accessory set for loose insulation material NW75/63/50 (3"/2,5"/2") (nonabrasive, prod. no. 5737)
- 400V phase adaptor and neutral conductor monitor with cut-out protective system (prod. no. 4553)
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

**EM4XX: Additional option hopper top piece V=0,914m<sup>3</sup>****Art. 8522**

Klick me! (Image similar)

Hopper top piece with increased storage volume, suitable for the EM4XX series.

Increasing of the storage volume from approx. 0,72m<sup>3</sup> (standard) to approx. 0,914m<sup>3</sup>. Hopper top piece incl. sack support, locking, removable top cover, edge protection profiles

**Technical details:**

- Hopper volume: 0,914m<sup>3</sup>
  - Dimensions: 1284 x 950 x 907 (L x W x H)
  - Empty weight: 65 kg
- (All values are approximate)

**01 Machines****EMX250 Special insulation blowing machine****Art. 4679**

Klick me! (Image similar)

Compact insulation blowing machine for processing certified insulation materials, e.g. rock wool, mineral wool, glas wool, wood chips, hemp hurds, cellulose and others. Due to its design, the machine is ideally suited for mobile use on-site.

**Important features:**

The 2-stage material conditioning unit, consisting of one screw conveyor and one shredding shaft, can easily break up and finely shred compacted processing materials. Two high-powered radial fans generate the required air power effortlessly. All important machine settings can be set directly from the injection point by radio remote control. The machine is equipped with two 230V/10-16A power connections. For more information, see product data sheet.

**Technical details:**

- Power/material throughput: up to 500 kg/h (based on cellulose), depending on application, material and delivery
  - Hopper volume: 0,26 m<sup>3</sup> (with wooden top piece), 0,15 m<sup>3</sup> (without wooden top piece)
  - Dimensions: 1200 x 600 x 1750 (L x W x H)
  - Empty weight: 240 kg
  - Filling height: 1630 mm (with wooden top piece), 1370 mm (without wooden top piece)
  - Conditioning: 1x screw conveyor, 1x shredding shaft
  - Material volume: adjustable, speed regulator screw conveyor (electrical switchboard)
  - Machine control: radio remote control FFB500, material ON, air ON, OFF, setting switching on/off-delay times, key lock, battery status display
  - Electrical connection: 2x 230V/50 Hz/10-16A/PE (+/- 5%)
  - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
  - Power rating: 4,2 kW
  - Blower: 2x high-powered radial fans 2x 1,45 kW
  - Air volume: adjustable, blower regulator (electrical switchboard)
  - Conveying pressure: max. 310 mbar
  - Air flow (nominal/gauged): 440/370 m<sup>3</sup>/h
  - Outlet: NW63 (2½") (direct reduction to NW50 (2") possible)
  - Airlock chamber ventilation for optimal processing throughputs
- (All values are approximate)

**Scope of delivery:**

- Fully functional insulation blowing machine, consisting of machine base on wheels, machine top with hopper storage top piece and foldable sack support
- Basic machine set, consisting of:
  - 1x small-parts case with 1x radio remote control FFB500, 1x control cabinet key, 1x socket spanner NW13, 1x silicone spray, 2x power adapter 230V 10m ring, approx. 2m NW75 air suction hose, 1x reducer tube 63>50, machine folder incl. operating instructions, inspection records and EC declaration of conformity

**Optional equipment:**

- Insulation blowing tools (various prod. no.)
- For accessories, see price list / available on request

**EMX90 Insulation blowing machine for light bulk materials (standard)****Art. 5966**

Klick me! (Image similar)

Compact insulation blowing machine for processing light, free flowing bulk material based on the Venturi principle.

**Technical Details:**

- Power voltage 230V/10-16A or 110V/15 A (special design)
- Dimensions: approx. 1100x520x520 (HxLxW)
- Holding capacity: approx. 125l
- Weight: approx. 48kg
- Outlet D= approx. 32mm
- Blowing pressure: approx. 330mbar
- Air volume (nominal/gauged): approx. 220/200m<sup>3</sup>/h
- Rated power approx. 1,5kW

**Delivery:**

- Insulation blowing machine on 4 rolls with foldable cover
- Switch with ON and OFF function
- Operating instructions
- Net adaptor 230V (L=10m)

**Advantages:**

- Venturi principle without an airlock
- Conformity according to the CE
- Operating instructions in each country's language
- Amplified blower with increased lifetime
- Air filter made from high value material, washable

**Options:**

- Electric switchboard EMX90 (with control connection) (prod. no. 6250)
- KFB 3 - hand control (prod. no. 3821)
- KFB 30 - hand control (prod. no. 2459)
- Control extension cable L=50m on a reel (prod. no. 1882)
- FFB 400 - bidirectional remote control (prod. no. 4568)
- Conveyor hose NW32 smooth, L=20m (prod. no. 6142)

**01 Machines****Minifant M99-230V/3.6kW-DS****Art. 3837**

Machine for processing loose insulation material approved by building regulations up to a packing density of approx. 155kg/m<sup>3</sup> or loose bulkware up to 100kg/m<sup>3</sup> bulk density. Authorised (CE) in all EU member states as well as in Switzerland.

## Technical data:

- Hopper volume: approx. 0.26 m<sup>3</sup>
- Airlock outlet: 63mm (2 1/2")
- Conveying pressure: max. 325 mbar
- Air flow (nominal/gauged): 440/350 m<sup>3</sup>/h
- Volume of material flow adjustable with airlock slide gate
- Delivery rate: up to 650kg/h
- Blower power 1.4 kW + 1.4 kW
- Motor power: ca. 0.75 kW
- Total power: ca. 3.6 Kw
- Electrical connection: 230V~ / 50Hz , 16A or 230V~/50Hz 10A with blower
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Dimensions: approx. 640mm x 1400 mm (ØxH)
- Unladen weight: approx. 110kg
- Airlock material: steel powder coated / plastic

## Scope of delivery:

Insulation blowing machine, 230V / 10m, 2.5 mm<sup>2</sup> connection cable, radio remote control FFB500 bidirectional and accessory case with the following:

- KFB3-8p hand-held control (prod. no. 7851)
- Control cabinet key
- Wrench SW24
- Hexagonal socket wrench SW13
- Pressure gauge with protective rubber cap
- Silicone spray
- Operating instructions

Serial no. M99G\_\_\_\_\_ (must be specified when placing order), operating hours: 2-6h (test run)

+++++ G-Series ++++++

- Machine control socket Contact 8+1 with rotary lock catch

+++++ ++++++

## Optional extras:

- Power generator XE5,5kW (prod. no. 7138)
- Wrist carrying strap FFB500 L=26cm (prod. no. 7128)
- Case for hand-held control (prod. no. 4716)
- Sports case for hand-held control (prod. no. 5016)
- Extension control cable L=25m (prod. no.2015)
- Extension control cable L=50m (prod. no.2166)
- Extension control cable L=50m on cable reel (prod. no.1987)
- Mains voltage display on the electrical switchboard (prod. no. 4604)
- Suction drum V=115L/V=250L for cleaning/vacuuming purposes (prod. no. 1160/3075)
- Support for bags (prod. no. 3474)
- Intake socket 90° NW75 (3") (prod. no. 5614)
- Material disturbing element to prevent bridging (prod. no. 6396)

**Minifant M99-230V/3.6kW-DS-Pro****Art. 5416**

Machine for processing certified loose insulation material up to a packing density of approx. 155kg/m<sup>3</sup> or loose bulkware up to 100kg/m<sup>3</sup> bulk density. Authorised (CE) in all EU member states as well as in Switzerland.

## Technical data:

- Hopper volume: approx. 0.26 m<sup>3</sup>
- Airlock outlet: 63mm (2 1/2")
- Conveying pressure: max. 325 mbar
- Air flow (nominal/gauged): 440/350 m<sup>3</sup>/h
- Volume of material flow adjustable with remote control and with airlock slide gate
- Delivery rate: up to 650kg/h
- Blower power: 1.4 kW + 1.4 Kw
- Motor power: ca. 0.75 Kw
- Total power: ca. 3.6 Kw
- Electrical connection: 230V~ / 50Hz , 16A or 230V~/50Hz 10A with blower
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Dimensions: approx. 640mm x 1400 mm (ØxH)
- Unladen weight: approx. 111kg
- Material: Steel powder coated / plastic

## Scope of delivery:

230V / 10m, 2.5 mm<sup>2</sup> connection cable, radio remote control FFB2000-Pro, control cable for backup operation and accessory case with the following:

- Control cabinet key
- Wrench SW24

**01 Machines**

- Hexagonal socket wrench SW13
  - Pressure gauge with protective rubber cap
  - Silicone spray
  - Operating instructions
- Serial no. M99G\_\_\_\_\_ (must be specified when placing order), operating hours: 2-6h (test run)

- ++++ as from series F +++++
- Improved blower casing
  - Fresh air input into machine possible with suction hose
  - Easily cleanable filter mats
  - Vacuuming possible in conjunction with suction drum (product no. 1160 or 3075)
  - Pro special equipment: Material and air volume can be controlled using the FFB2000-Pro radio remote control, directly from the injection point. Dynamic pressure regulation allows for easy injection into pressure sensitive cavities.
- ++++ as from series F +++++

- Optional extras:
- Power generator XE5,5kW (prod. no. 7138)
  - KFB3-8p hand-held control (prod. no. 7851)
  - FFB500 radio remote control (prod. no. 6708)
  - Extension control cable L=25m (prod. no.2015)
  - Extension control cable L=50m (prod. no.2166)
  - Extension control cable L=50m on cable reel (prod. no.1987)
  - Mains voltage display on the electrical switchboard (prod. no. 4604)
  - Suction drum V=115L/V=250L for cleaning/vacuuming purposes (prod. no. 1160/3075)
  - Support for bags (prod. no. 3474)
  - Intake socket 90° NW75 (3") (prod. no. 5614)
  - Material disturbing element to prevent bridging (prod. no. 6396)

**Minifant M99-230V/3,6kW-DS-Pro with 8 airlock chambers****Art. 7392**

Machine for processing certified loose insulation material up to a packing density of approx. 155kg/m<sup>3</sup> or loose bulkware up to 100kg/m<sup>3</sup> bulk density. Authorised (CE) in all EU member states as well as in Switzerland.

- Technical data:
- Rotary airlock with 8 airlock chambers (optimized for an even material flow)
  - Hopper volume: approx. 0.26m<sup>3</sup>
  - Airlock outlet: 63mm (2 1/2")
  - Conveying pressure: max. 325mbar
  - Air flow (nominal/gauged): 440/350m<sup>3</sup>/h
  - Volume of material flow adjustable with remote control and with airlock feed gate
  - Delivery rate: up to 650kg/h
  - Blower power: 1.4kW + 1.4kW
  - Motor power: ca. 0.75kW
  - Total power: ca. 3.6kW
  - Electrical connection: 230V~ / 50Hz, 16A or 230V~/50Hz 10A with blower
  - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
  - Dimensions: approx. 640mm x 1400 mm (ØxH)
  - Unladen weight: approx. 111kg
  - Material: Steel powder coated / plastic

Scope of delivery:  
230V / 10m, 2.5 mm<sup>2</sup> connection cable, radio remote control FFB2000-Pro, control cable for backup operation and accessory case with the following:

- Control cabinet key
  - Wrench SW24
  - Hexagonal socket wrench SW13
  - Pressure gauge with protective rubber cap
  - Silicone spray
  - Operating instructions
- Serial no. M99G\_\_\_\_\_ (must be specified when placing order), operating hours: 2-6h (test run)

- ++++ as from series F +++++
- Optimized blower casing
  - Fresh air input into machine possible with suction hose
  - Easily cleanable filter mats
  - Vacuuming possible in conjunction with suction drum (product no. 1160 or 3075)
  - Pro special equipment: Material and air volume can be controlled using the FFB2000-Pro radio remote control directly from the injection point. Dynamic pressure regulation allows an easy injection into pressure sensitive cavities.
- ++++ as from series F +++++

- Options:
- Power generator XE5,5kW (prod. no. 7138)
  - KFB3-8p Hand-held control (prod. no. 7851)
  - FFB500 Radio remote control (prod. no. 6708)
  - Extension control cable L=25m (prod. no.2015)
  - Extension control cable L=50m (prod. no.2166)
  - Extension control cable L=50m on cable reel (prod. no.1987)
  - Mains voltage display on the electrical switchboard (prod. no. 4604)

**01 Machines**

- Suction drum V=115L/V=250L for cleaning/vacuuming purposes (prod. no. 1160/3075)
- Support for bags (prod. no. 3474)
- Intake socket 90° NW75 (3") (prod. no. 5614)
- Material disturbing element to prevent bridging (prod. no. 6396)

**XE10kW power generator****Art. 4978**

Klick me! (Image similiar)

- Duplex Generator, Advantages:
- Combines and enhances the benefits of both non-synchronous and synchronous generators
  - VKS technology (non-wearing, heavy duty reliable)
  - Simultaneous input of electrical and inductive load
  - Brushless, electronically regulated synchronous generator
  - Up to 20,000 operating hours thanks to brushless technology
  - Protected against dust and splashes with IP 54 protective system
  - 200% suitable for unbalanced loads in real operation.
  - Voltage stability: +/- 1% with 3~ generators
  - Up to four time residual current
  - 100% surge proof.
  - Distortion factor: 5%
- Technical data:
- Suitable for many blowing machines and accessories- we will check compatibility on request..
  - Continuous rating kVA / kW 10.0/8.0 - 6.0/5.4
  - Voltage rating 400V 3~ 230V 1~
  - Nominal current 14.4A3~ 26.1A1~
  - Power factor 0.8 - 0.9
  - Frequency/ protective system 50 Hz / IP 54
  - Dual cylinder, 4-stroke, OHV motor design
  - Power: approx. 13.2 kW/22.0PS
  - Tank capacity: 30 litres
  - Running time with 3/4 load, approx. 10h
  - E-Start incl. battery
  - Sound power level LWA 97 dB(A)
  - Sound pressure level LPA 72 dB(A)
  - Unladen weight 155 kg
  - Dimensions: 850x650x575 (LxWxH)
- Equipment:
- 2x 230V / 16A earthed plugs
  - 2x 400V / 16A CEE
  - Handle
  - Protective power circuit-breaker.
  - Optical fuel tank level display
  - ECD 06 control display
  - Low oil cut out
  - Socket for lifting with crane
  - Ecotronic
  - Optional extras.
  - 4800 - XE10kW power generator exhaust hose
  - 4801 - XE10kW power generator 90° exhaust hose adaptor
  - 4982 - XE10kW power generator wheel set

**XE14kW power generator****Art. 4585**

Klick me! (Image similiar)

- Duplex Generator, Advantages:
- Combines and enhances the benefits of both non-synchronous and synchronous generators
  - VKS technology (non-wearing, heavy duty reliable)
  - Simultaneous input of electrical and inductive load
  - Brushless, electronically regulated synchronous generator
  - Up to 20,000 operating hours thanks to brushless technology
  - Protected against dust and splashes with IP 54 protective system
  - 200% suitable for unbalanced loads in real operation.
  - Voltage stability: +/- 1% with 3~ generators
  - Up to four time residual current
  - 100% surge proof.
  - Distortion factor: 5%
- Technical data:
- Suitable for many blowing machines and accessories- we will check compatibility on request..
  - Continuous rating: kVA / kW 13,2 / 11,2 - 7,0 / 6,3
  - Voltage rating 400V 3~ 230V 1~
  - Nominal current 19,1A3~ 30,4A1~
  - Power factor 0.8 - 0.9
  - Frequency/ protective system 50 Hz / IP 54
  - B&S Vanguard 23HP motor
  - Power: 3000U/min 14,1 kW
  - Tank capacity: 12 Liter
  - Fuel consumption / running time 3.4l / 3.5h
  - E-Start incl. battery
  - Sound power level LWA 95 dB(A)
  - Sound pressure level LPA 70 dB(A)
  - Unladen weight 162 kg
  - Dimensions 820x440x580 ( LxWxH )

**01 Machines**

Optional extras.  
 4800 - XE104kW power generator exhaust hose  
 4801 - XE14kW power generator 90° exhaust hose adaptor  
 4802 - XE14kW power generator refuelling system  
 3404 - Power distribution unit: 400V-32A

**Power generator XE 15kW Diesel - professional version****Art. 7763**

Klick me! (Image similair)

Power sets driven by diesel have the advantage of being very economical. Suitable for multiple insulation blowing machines and accessories, compatibility check upon request.

Standard equipment, consisting of:

- 12V starter battery
- Analogue display of operating hours meter, current 1~, frequency meter
- Quick cold start even at low temperatures (cold start timer)
- Electronically controlled high-performance generators by MeccAlte, brushless design with high voltage stability
- Socket combination: 1x Schuko 230V/16A, 2x CEE 230V/16A, 1x CEE 400V/16A, 1x CEE 400V/32A
- Key start
- Emergency switch
- Ground fault circuit interrupter
- Emission level 3A
- Equipped with a large tank for longer running times

Technical details:

Type of generator: synchronous class H  
 Maximum performance [LTP] kVA/kW 1~: 14,3 / 11,4  
 Continuous performance [LTP] kVA/kW 1~: 13,0 / 10,4  
 Nominal voltage 1~: 400V 3~ 230V 1~  
 Nominal current 1~: 18,8 A 3~  
 Power factor cos (phi): 0,8  
 Frequency: 50Hz  
 Motor type: Yanmar 3TNV88  
 Amount of cylinders motor: 3 cylinder four-stroke  
 Displacement: 1642ccm  
 Engine performance: 12,7kW  
 Fuel: diesel  
 Tank capacity (l): 51  
 Consumption l/h at 75% load: 2,8  
 Running time (h) at 75% load: 17,9  
 Starting system: electronic start incl. battery  
 Sound power level LWA db(A): 93  
 Pressure power level LPA (7m) db(A): 64  
 Weight approx. (kg): 480  
 Dimensions: LxWBxH (mm): 1646x885x1061

Optional accessories:

Net adaptor manifold 400V-32A (prod. no. 3404)  
 Net adaptor 400V/230V, 25m reel -Pro (prod. no. 5805)

**Power generator XE20kW Diesel - Pro version****Art. 7764**

Klick me! (Image similair)

Diesel generating sets are very economical to use and are suitable for a wide range of insulation blowing machines and accessories. Compatibility check on request.

Standard equipment, consisting of:

- 12V Starter battery
- Analogue display of the operating hours, current 1~, frequency meter
- Quick-cold start even at low temperatures (cold start timer)
- Electronically controlled high-performance generators from MeccAlte, brushless design with high voltage stability
- Socket combination: 1x Schuko 230V/16A, 2x CEE 230V/16A, 1x CEE 400V/16A, 1x CEE 400V/32A
- Key start
- Emergency stop button
- Ground fault circuit interrupter
- Emission level 3A
- Equipped with large tank for long runtimes

Technical details:

- Generator type: synchronous category H  
 - Maximum performance [LTP] kVA/kW 1~: 19,3/15,4  
 - Continuous performance [LTP] kVA/kW 1~: 17,6/14,0  
 - Nominal voltage 1~: 400V 3~ 230V 1~  
 - Nominal current 1~: 25,4 A 3~  
 - Power factor cos (phi): 0,8  
 - Frequency: 50Hz  
 - Motor type: Yanmar 4TNV88  
 - Number cylinder engine: 4-cylinder 4-stroke  
 - Displacement: 2190ccm  
 - Engine performance: 16,9 kW  
 - Fuel: diesel  
 - Tank capacity: 51L  
 - Diesel consumption at 75% load: 3,7 l/h

**01 Machines**

- Running time at 75% load: 13,7 h
- Start system: e-start incl. battery
- Sound power level LWA db(A): 93
- Sound pressure level LPA (7m) db(A): 64
- Weight: approx. 560 kg
- Dimensions (LxWxH): 1646x885x1061 mm

Optional accessories:

- Net adapter distributor 400V-32A (prod. no. 3404)
- Net adapter 400V/230V, 25m on cable drum pro (prod. no. 5805)

**Power Generator XE5,5kW****Art. 7138**

Klick me! (Image similiar)

Big and heavy was last year - small and light is today. This power generator is equipped with a set of wheels and hand grips. The power generator is suitable for our smaller machines, such as the Minifant M99.

Technical Details:

- Suitable for multiple insulation blowing machines and/or accessories, compatibility check upon request
- Motor type OHV-4-Takt, low maintenance and environmentally friendly
- Fuel tank super unleaded
- Voltage regulations AVR
- Power output 5,0 kVA
- Electronic devices not possible
- Household devices max. 5.500W
- Power tools max. 2.800W
- Compressors max. 1.300W
- Petrol tank 25 l, therefore long runtime
- Length 695mm, width 565mm, height 580mm
- Oil sensor warns if there is a low oil level
- 2x outlet for alternating current (230 V/50 Hz) and 1 x direct current (12 V)
- Analogue display for power and current
- With pull starter or electric starter (Battery for electric start not in the delivery contents)

Optional:

- Power generator XE 5,5kW: battery (prod. no. 7795)

**Power generator XE14kW Diesel - Upgrade ECOtronic System****Art. 6835**

Klick me! (Image similiar)

Extension for power generator XE14kW Diesel.

This modification enables the consumption to be reduced by about 30%, (Depending on the application and load operation).

**VS: Compact amplifier / vacuum unit VS28 complete set 115 l****Art. 2886**

Klick me! (Image similiar)

Consists of:

- 1x compact amplifier/ vacuum unit (incl. 10m power cable) (product no. 2711)
- 1x suction drum (V=115l) with practical hinged lid (product no. 1160)
- 5x bags made out of PP-woven tape fabric 70x110cm (product no. 1085)
- 1.5 m NW 75 hose
- 1.5 m NW 63 hose
- 2x NW75 quick-connect hose clamps (product no. 223)
- 2x NW63 hose clamps (product no. 176)
- 1x Y-piece stainless steel NW75/63>75 (Art.-Nr. 2221 for Zellofant) or NW63/63>63 (Art.-Nr. 3955 for Minifant) (please specify when ordering)
- 1x NW75>63 plastic reducer tube (product no. 1046) (alternatively NW75>50 (product no. 1045))
- 1x connecting control cable (L= 5 m) (product no. 1856) for Master-Slave operation of any blowing machine (please specify when ordering)

Ideal for the following:

- Construction site cleaning, vacuuming of other materials, suction of insulation material
- Element removal
- Amplification of blowing machine power

Technical Details:

- Electrical connection: 230V~, 16A
- Fusing: Type B / Type C / screw- / melting fuse
- Conveying pressure: max. approx. 320 mbar (adjustable)
- Negative pressure: max. approx. 280 mbar (adjustable)
- Air flow (nominal/gauged): 440/360 m³/h
- Electrical power requirement: 2.8 kW
- Weight: approx. 46 kg

Optional:

- Mains voltage display, display of the applied supply voltage (prod. no. 4604)
- Cable/radio remote control
- Control cable (L=2m) or (L=50m) (in exchange)

**01 Machines****VS: Compact amplifier/ vacuum unit (2.8kW)- complete set- 250l****Art. 5017**

Klick me! (Image similar)

Consists of:

- 1x compact amplifier/ vacuum unit (incl. 10m power cable) (product no. 2711)
- 1x suction drum (V=250l) with practical hinged lid (product no. 3075)
- 5x woven polypropylene sacks- 100 x 150cm (product no. 801)
- 1.5 m NW 75 hose
- 1.5 m NW 63 hose
- 2x NW75 quick-connect hose clamps (product no. 223)
- 2x NW63 hose clamps (product no.176)
- 1x Y-piece stainless steel NW75/63>75 (Art.-Nr. 2221 for Zellofant) or NW63/63>63 (Art.-Nr. 3955 for Minifant) (please specify when ordering)
- 1x NW75>63 plastic reducer tube (product no. 1046) (alternatively NW75>50 (product no. 1045)
- 1x connecting control cable (L= 5 m) (product no. 1856) for Master-Slave operation of any blowing machine (please specify when ordering)

Ideal for the following:

- Construction site cleaning, vacuuming of other materials, suction of insulation material
- Element removal
- Amplification of blowing machine power

Technical Details:

- Electrical connection: 230V~, 16A
- Fusing: Type B / Type C / screw- / melting fuse
- Conveying pressure: max. approx. 320 mbar (adjustable)
- Negative pressure: max. approx. 280 mbar (adjustable)
- Air flow (nominal/gauged): 440/360m³/h
- Electrical power requirement: 2.8 kW
- Weight: approx. 46 kg
- Complete separation of working and cooling air
- Therefore, better collector cooling
- Motor and electrical areas less vulnerable to dirt
- Less deformation with high levels of negative pressure (i.e. with suction operation)
- Large filter area with easily replaceable filter mats

Optional:

- Mains voltage display, display of the applied supply voltage (prod. no. 4604)
- Cable/radio remote control
- Control cable (L=2m) or (L=50m) (in exchange)

**VS: Amplifier/vacuum station VS28 V2****Art. 2711**

Klick me! (Image similar)

Amplifier/vacuum station in metal casing, completely assembled and ready for use, consisting of:

- 10m power adaptor (earthed plug, CEE socket)
- Manual/automatic operation
- Stepless speed controller from 20-100%

Ideal for the following:

- Construction site cleaning, vacuuming of materials, suction of material dust during blowing-process
- Element removal
- Amplification of insulation blowing machines

Technical details:

- Dimensions: approx. 482x358x418 (LxWxH)
- Electrical connection: 230V~, 16A (fusing: Type B/Type C/screw-/melting fuse)
- Conveying pressure: approx. 320mbar (adjustable)
- Negative pressure: max. approx. 280mbar (adjustable)
- Air flow (nominal/gauged): 440/360m³/h
- Electrical power requirement: 2.8kW
- Weight: approx. 22kg
- Complete separation of working and cooling air, therefore better collector cooling
- Motor and electrical areas less vulnerable to dirt
- Less deformation with high levels of negative pressure (i.e. with suction operation)
- Large filter area with easily replaceable filter mats

Optional:

- Mains voltage display, display of the applied supply voltage (prod. no. 4604)
- Compact amplifier/vacuum unit (2.8kW)- complete set (product no. 2886)
- Connection cable for automatic operation with blowing machine: L=10m, 25m, 50m
- Suction drum V=115l (product no. 1160)
- Suction drum V=250l (product no. 1160)
- Y-piece NW63/75>75 stainless steel (product no. 2221)
- Y-connector NW63>63 (2½") (product no. 1132)

**01 Machines****VS: Amplifier and vacuum station VS33****Art. 5855**

Klick me! (Image similar)

Amplifier and vacuum station completely assembled and ready for operation in the sheet steel casing, consists of:

- Net cable 10m (Schuko-plug, CEE-socket)
- Operating mode selector switch hand- / synchronic- / automatic operation
- Continuous level adjustment of 20-100%
- Light to display the operational readiness

Ideal for the following applications:

- Suction and ventilation of rotary nozzles
- Site cleaning, vacuuming foreign materials
- Dismantling of elements
- Amplifying the insulation blowing machines

Technical details:

- Dimensions: approx. 482x358x418 (LxWxH)
- Electricity connection: 230V~, 16A (including mains cable 10m, CEE/Schuko, circuit breakers C Series, safety screws and fuse)
- Connected value: 3,3kW
- Conveying pressure: max. approx. 350mbar (adjustable)
- Underpressure: max. approx. 320mbar (adjustable)
- Air flow (nominal/gauged): approx. 420/400m³/h
- Outlet NW63 (2½")
- Intake air duct NW75 (3")
- Easy to clean suction filter
- Operating hours meter for better maintenance interval monitoring
- Weight approx. 23kg

Operation available in three modes: manual, automatic, automatic with power synchronisation for main machine

Options:

- Mains voltage display, display of the applied supply voltage (prod. no. 4604)
- VS: Connecting Set for Amplifier NW63/NW75>NW75 (Art.-Nr. 4934)
- Connection cable for automatic operation with the insulation blowing machine: L=2m, 25m, 50m
- Suction drum V= approx. 115l (prod. No. 1160)

**VS: Amplifier/ vacuum station VS33 complete set 115 l****Art. 5939**

Klick me! (Image similar)

Complete set consists of: 3,3kW amplifier/ vacuum station, Suction drum (V=115l) with practical hinged lid incl. 5 woven polypropylenebags, 10m power cable (earthed plug, CEE socket), approx. 1-1.5 m NW75 hose with two NW75 quick-connect hose clamps, 1.5 m NW 63 hose, two NW63 hose clamps, Y-piece (plastic) for connection to amplifier station (NW75/63>75 (Zellofant) oder NW63/63>63 (Minifant)), plastic 75>63 (or 75>50) reducer tube, connecting control cable (L=5m) for Master-Slave operation of any blowing machine (please specify when placing order).

Description:

Amplifier/ vacuum station in sheet metal casing, completely assembled and ready for use, with the following control elements: master switch, manual or automatic operation, stepless power regulation from 20-100%. Ideal for the following:

- Dust extraction from rotary nozzles
- Construction site cleaning, vacuuming of other materials.
- Element removal
- Amplification of blowing machine power

Technical Details:

- Dimensions (WxHxD) amplifier station: 420 x 300 x 330mm
- Dimensions suction drum: Ø450 x 860mm
- Electrical connection: 230V~, 16A including 10m mains connecting cable (CEE/earthed)
- Fusing: 3,3kW type C circuit breaker, screw- / melting fuse
- Conveying pressure: max. 350mbar (adjustable)
- Negative pressure: max. approx. 320mbar (adjustable)
- Air flow (nominal/gauged): 420/400m³/h
- Electrical power requirement: 3,3kW
- Weight: approx. 45kg

Special features:

- Operating hours meter included for better monitoring of when maintenance work is due
- Complete separation of working and cooling air
- Therefore, better collector cooling
- Motor and electrical areas less vulnerable to dirt
- Less deformation with high levels of negative pressure (i.e. with suction operation)
- Bigger filter box with a filter approx. 2.5 times the size of the old filter

Optional:

- Mains voltage display, display of the applied supply voltage (prod. no. 4604)
- Cable/radio remote control
- Control cable (L=2m or 50m)
- Alternatively with 250 l suction drum

**01 Machines****VS: Amplifier / vacuum station VS33 Complete set 250 l****Art. 5940**

Complete set consists of: 3,3kW amplifier/ vacuum station, Suction drum (V=250l) with practical hinged lid incl. 5 woven polypropylenebags, 10m power cable (earthed plug, CEE socket), approx. 1-1.5 m NW75 hose with two NW75 quick-connect hose clamps, 1.5 m NW 63 hose, two NW63 hose clamps, Y-piece (plastic) for connection to amplifier station (NW75/63>75 (Zellofant) oder NW63/63>63 (Minifant)), plastic 75>63 (or 75>50) reducer tube, connecting control cable (L=5m) for Master-Slave operation of any blowing machine (please specify when placing order).

**Description:**

Amplifier/ vacuum station in sheet metal casing, completely assembled and ready for use, with the following control elements: master switch, manual or automatic operation, stepless power regulation from 20-100%. Ideal for the following:

- Dust extraction from rotary nozzles
- Construction site cleaning, vacuuming of other materials.
- Element removal
- Amplification of blowing machine power

**Technical Details:**

- Dimensions (WxHxD) amplifier station 420 x 300 x 330mm
- Dimensions suction drum: Ø450 x 860mm
- Electrical connection: 230V~, 16A, including 10m mains connecting cable (CEE/earthed)
- Fusing: 3.3kW, type C circuit breaker, screw- / melting fuse
- Conveying pressure: max. 350mbar (adjustable)
- Negative pressure: max. 320mbar (adjustable)
- Air flow (nominal/gauged): 420/400m³/h
- Weight: approx. 58kg

**Special features:**

- Operating hours meter included for better monitoring of when maintenance work is due
- Complete separation of working and cooling air
- Therefore, better collector cooling
- Motor and electrical areas less vulnerable to dirt
- Less deformation with high levels of negative pressure (i.e. with suction operation)
- Bigger filter box with a filter approx. 2.5 times the size of the old filter

**Optional:**

- Mains voltage display, display of the applied supply voltage (prod. no. 4604)
- Cable/radio remote control
- Control cable (L=2m or 50m)
- Alternatively with 115 l suction drum

**VS: Amplifier-/ vacuum station VS40****Art. 8336**

Amplifier-/ vacuum station completely mounted and ready for use. Stable base frame with machine feet, 3-level high-performance turbine made of aluminium with motor and belt drive, suction filter and check valve. Electrical switchboard incl. master-slave connection, main switch and operating elements.

**Suitable for:**

- Amplifying the insulation blowing machines
- Construction site cleaning, vacuuming foreign materials, dismantling of elements
- Dust removal from insulation blowing machines

**Advantages:**

- Strong air performance in a compact design
- Due to contact-free drive, suitable for even high action time
- Cheap maintenance

**Technical details:**

Dimensions (LxWxH): approx. 600x650x600mm

Weight: approx. 60kg

Power supply: approx. 400V

Inside the amplifier-/ vacuum station, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.

Rated power: 4,0kW

Conveying pressure (max.): approx. 440mbar

Negative pressure (max.): approx. 330mbar

Air volume: approx. 360m³/h

Intake socket: NW63

Outlet: NW50 (expandable to NW63)

Control/operation: Mode selector switch (selection between synchronised and manual operation), continuously level control between 20-100%, master-slave control possible

**Scope of delivery:**

- 1x Amplifier-/ vacuum station VS37
- 1x Mains adapter 400V/16A, 10m ring, CEE (prod. No. 348)

**Optional accessories:**

- VS: Connecting control cable for controlling via an insulation blowing machine, L= approx. 5/25/50m (prod. No. 1856/1192/1193)
- VS: Connecting Set for amplifier NW63/NW75>NW75 (prod. No. 4934)
- VS: Suction drum V=115l/250l (prod. No. 1160/3075)

**01 Machines**

- Reducer tube connector NW75>63 (aluminium) (prod. No. 1261)

Alternative articles:

- VS: Amplifier-/ vacuum station VS55 (prod. No. 6348)

- VS: Amplifier-/ vacuum station VS33 (prod. No. 5855)

**VS: Verstärker-/ Absaugstation VS55****Art. 6348**

Klick me! (Image similair)

English version in preparation:

Verstärker- / Absaugstation komplett montiert und betriebsbereit bestehend aus:

- Stabiler Grundrahmen mit Maschinenfüßen
- 5-stufige Hochleistungs-Turbine aus Aluminium mit Motor und Riemenantrieb, Ansaugfilter und Rückschlagventil
- Elektrische Schaltanlage inkl. Master-Slave Anschluss, 5m Netzkabel mit CEE-Stecker, Hauptschalter und Bedienelementen

Ideal für folgende Anwendungen:

- Verstärkung von Einblasmaschinen
- Baustellenreinigung, Absaugung von Fremdmaterialien, Rückbau von Elementen
- Entstaubung von Einblasmaschinen

Technische Daten:

- Abmessungen: ca. 785×700×580 mm
- Gewicht: ca. 100kg
- Ansaugstutzen: NW75
- Ausblasstutzen: NW75
- Spannungsversorgung: 400 V / 50 Hz / 3× 16 A
- In der Verstärker-/ Absaugstation sind frequenzgeführte Antriebe integriert. Der elektrische Anschluss muss nach den geltenden, nationalen elektrischen Vorschriften erfolgen.
- Bemessungsleistung: 5,5 kW
- Max. Überdruck: ca. 420 mbar (einstellbar)
- Max. Unterdruck: ca. 380 mbar (einstellbar)
- Max. Luftmenge: ca. 470 m³/h (freiblasend)
- Betriebsartenschalter Hand- / Synchronbetrieb
- Stufenlose Niveauregulierung von 20-100%
- Leuchte zur Anzeige der Betriebsbereitschaft

Betrieb wahlweise in drei Modi:

- Manuell "Ein", "
- Automatik Ein 100%",
- Automatik Ein mit Leistungs-Synchronisation zur Hauptmaschine

Optionen:

- Anschlusskabel für Automatik-Betrieb mit Einblasmaschine: L=2m, 25m, 50m (z.B. Art.-Nr. 1856)
- Saugfass V= ca. 115l (Art.-Nr. 1160)
- VS: Stahlteile Saugfass V=250 l (Art.-Nr. 3076)

**Zellofant M95-230V/3,7kW****Art. 7139**

Klick me! (Image similair)

Insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The 3-stage material conditioning unit with one rotating shredding arm, one replacement grid and one rotating rake unit can easily break up and finely shred highly compacted processing materials (max. 155 kg/m³ packing density, humidity according to the limits given in the certification, but less than 15%). The material flow volume can be set by the airlock rotor's rotational speed (Optionally, an airlock feed gate is available.). Two high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 230V/16A electrical connection. For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 650 kg/h, depending on application, material and delivery
  - Hopper volume: 0,44 m³
  - Dimensions: 800 x 4125 (D x H)
  - Empty weight: 155 kg
  - Filling height: 4125 mm
  - Conditioning: 1x shredding arm, 1x replacement grid, 1x rake unit
  - Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate (optional)
  - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
  - Electrical connection: 1x 230V/50Hz (+/- 5%), 16A (type B or C circuit breaker or slow blow screw in plug fuse)
  - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
  - Power rating: 3,7kW
  - Blower: 2x high-powered radial fans with 2,4kW total power
  - Conveying pressure: max. 300 mbar
  - Air flow (nominal/gauged): 320/250 m³/h
  - Outlet: NW75 (3") (direct reduction/extension to NW63 (2,5"), NW50 (2") or NW90 (3,5") possible)
  - Airlock chamber ventilation for optimal processing throughputs
  - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

**01 Machines**

## Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base with wheels and hopper
- Basic machine set, consisting of:
  - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key,
  - 1x open-ended spanner SW24, 1x socket spanner SW13, 1x silicone spray, 1x 230V/10m power cable (earthed-CEE), 1x control cable on reel 50m, approx. 2m NW90 air suction hose, 1x hose clamp NW90, 1x quick-connect hose clamp NW75,
  - 1x spare air filter, machine folder incl. operating instructions, inspection records and EC declaration of conformity

## Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Direct extension NW75>90 (3" > 3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Direct reducer NW75>63 (3" > 2,5") (prod. no. 526) or NW75>50 (3" > 2") (prod. no. 1972)
- Mains voltage display for 230V connection (prod. no. 4604)
- Airlock feed gate (prod. no. 3194)
- Quick coupling for outlet (prod. no. 172)
- Reinforced rotary airlock (prod. no. 6719)
- Airlock with outlet socket NW90 (3,5") (prod. no. 7109)
- Amplifier-/vacuum stations
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

**Zellofant M95-2x230V/5,1kW-SE****Art. 6906**

Click me! (Image similar)

Insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

## Important features:

The 3-stage material conditioning unit with one rotating shredding arm, one replacement grid and one rotating rake unit can easily break up and finely shred highly compacted processing materials (max. 165 kg/m<sup>3</sup> packing density, humidity according to the limits given in the certification, but less than 15%). The material flow volume can be set by the airlock rotor's rotational speed (Optionally, an airlock feed gate is available.). Two high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with two 230V/16A electrical connections. For more information, see product data sheet.

## Technical details:

- Power/material throughput: up to 750 kg/h, depending on application, material and delivery
  - Hopper volume: 0,44 m<sup>3</sup>
  - Dimensions: 800 x 4125 (D x H)
  - Empty weight: 160 kg
  - Filling height: 4125 mm
  - Conditioning: 1x shredding arm, 1x replacement grid, 1x rake unit
  - Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate (optional)
  - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
  - Electrical connection: 2x 230V/50Hz (+/- 5%), each 16A (type B or C circuit breaker or slow blow screw in plug fuse)
  - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
  - Power rating: 5,1kW
  - Blower: 2x high-powered radial fans with 3,6kW total power
  - Conveying pressure: max. 375 mbar
  - Air flow (nominal/gauged): 390/370 m<sup>3</sup>/h
  - Outlet: NW75 (3") (direct reduction/extension to NW63 (2,5"), NW50 (2") or NW90 (3,5") possible)
  - Airlock chamber ventilation for optimal processing throughputs
  - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

## Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base with wheels and hopper
- Basic machine set, consisting of:
  - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key,
  - 1x open-ended spanner SW24, 1x socket spanner SW13, 1x silicone spray, 2x 230V/10m power cable (earthed-CEE), 1x control cable on reel 50m, approx. 2m NW90 air suction hose, 1x hose clamp NW90, 1x quick-connect hose clamp NW75,
  - 1x spare air filter, machine folder incl. operating instructions, inspection records and EC declaration of conformity

## Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Direct extension NW75>90 (3" > 3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Direct reducer NW75>63 (3" > 2,5") (prod. no. 526) or NW75>50 (3" > 2") (prod. no. 1972)
- Mains voltage display for 230V connection (prod. no. 4604)
- Airlock feed gate (prod. no. 3194)
- Quick coupling for outlet (prod. no. 172)
- Reinforced rotary airlock (prod. no. 6719)
- Airlock with outlet socket NW90 (3,5") (prod. no. 7109)
- Amplifier-/vacuum stations
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

**01 Machines****Zellofant M95-400V/5,5kW-SE****Art. 6907**

Klick me! (Image similair)

Insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

**Important features:**

The 3-stage material conditioning unit with one rotating shredding arm, one replacement grid and one rotating rake unit can easily break up and finely shred highly compacted processing materials (max. 165 kg/m<sup>3</sup> packing density, humidity according to the limits given in the certification, but less than 15%). The material flow volume can be set by the airlock rotor's rotational speed (Optionally, an airlock feed gate is available.). Two high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/3x 16A electrical connection. For more information, see product data sheet.

**Technical details:**

- Power/material throughput: up to 1080 kg/h, depending on application, material and delivery
  - Hopper volume: 0,44 m<sup>3</sup>
  - Dimensions: 800 x 4125 (D x H)
  - Empty weight: 165 kg
  - Filling height: 4125 mm
  - Conditioning: 1x shredding arm, 1x replacement grid, 1x rake unit
  - Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate (optional)
  - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
  - Electrical connection: 1x 400V/50Hz (+/- 5%) (three phase current, with earthing and neutral conductor), 3x 16A (type B or C circuit breaker or slow blow screw in plug fuse), incl. phase inverter switch
  - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
  - Power rating: 5,5kW
  - Blower: 2x high-powered radial fans with 3,6kW total power
  - Conveying pressure: max. 390 mbar
  - Air flow (nominal/gauged): 390/370 m<sup>3</sup>/h
  - Outlet: NW75 (3") (direct reduction/extension to NW63 (2,5"), NW50 (2") or NW90 (3,5") possible)
  - Airlock chamber ventilation for optimal processing throughputs
  - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

**Scope of delivery:**

- Fully functional insulation blowing machine, consisting of machine base with wheels and hopper
- Basic machine set, consisting of:
  - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW24, 1x socket spanner SW13, 1x silicone spray, 2x 230V/10m power cable (earthed-CEE), 1x control cable on reel 50m, approx. 2m NW90 air suction hose, 1x hose clamp NW90, 1x quick-connect hose clamp NW75, 1x spare air filter, machine folder incl. operating instructions, inspection records and EC declaration of conformity

**Optional equipment:**

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Direct extension NW75>90 (3">3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Direct reducer NW75>63 (3">2,5") (prod. no. 526) or NW75>50 (3">2") (prod. no. 1972)
- Airlock feed gate (prod. no. 3194)
- Quick coupling for outlet (prod. no. 172)
- Reinforced rotary airlock (prod. no. 6719)
- Airlock with outlet socket NW90 (3,5") (prod. no. 7109)
- Amplifier-/vacuum stations
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

**Zellofant M95-400/7,0kW-SE****Art. 6908**

Klick me! (Image similair)

Insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

**Important features:**

The 3-stage material conditioning unit with one rotating shredding arm, one replacement grid and one rotating rake unit can easily break up and finely shred highly compacted processing materials (max. 165 kg/m<sup>3</sup> packing density, humidity according to the limits given in the certification, but less than 15%). The material flow volume can be set by the airlock rotor's rotational speed (Optionally, an airlock feed gate is available.). Three high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/3x 16A electrical connection. For more information, see product data sheet.

**Technical details:**

- Power/material throughput: up to 1080 kg/h (with version 7,3 kW up to 1255 kg/h), depending on application, material and delivery
- Hopper volume: 0,44 m<sup>3</sup>
- Dimensions: 800 x 4125 (D x H)
- Empty weight: 185 kg
- Filling height: 4125 mm
- Conditioning: 1x shredding arm, 1x replacement grid, 1x rake unit

**01 Machines**

- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate (optional)
  - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
  - Electrical connection: 1x 400V/50Hz (+/- 5%) (three phase current, with earthing and neutral conductor), 3x 16A (type B or C circuit breaker or slow blow screw in plug fuse), incl. phase inverter switch
  - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
  - Power rating: 7,0 kW (optional 7,3 kW)
  - Blower: 3x high-powered radial fans with 5,0kW total power
  - Conveying pressure: max. 400 mbar
  - Air flow (nominal/gauged): 590/540 m<sup>3</sup>/h
  - Outlet: NW75 (3") (direct reduction/extension to NW63 (2,5"), NW50 (2") or NW90 (3,5") possible)
  - Airlock chamber ventilation for optimal processing throughputs
  - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

## Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base with wheels and hopper
- Basic machine set, consisting of:
  - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW24, 1x socket spanner SW13, 1x silicone spray, 2x 230V/10m power cable (earthed-CEE), 1x control cable on reel 50m, approx. 2m NW90 air suction hose, 1x hose clamp NW90, 1x quick-connect hose clamp NW75, 1x spare air filter, machine folder incl. operating instructions, inspection records and EC declaration of conformity

## Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Direct extension NW75>90 (3">3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Direct reducer NW75>63 (3">2,5") (prod. no. 526) or NW75>50 (3">2") (prod. no. 1972)
- Airlock feed gate (prod. no. 3194)
- Quick coupling for outlet (prod. no. 172)
- Reinforced rotary airlock (prod. no. 6719)
- Airlock with outlet socket NW90 (3,5") (prod. no. 7109)
- Update to 7,3kW - Var.2 (prod. no. 6909)
- Amplifier-/vacuum stations
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

**Zellofant: M95 shredder****Art. 3251**

Klick me! (Image similar)

Agitator and shredder suitable for all Zellofant M95 machine, including material slide gate for input volume control of insulation material.

## Advantages

- Improved material conditioning of highly compressed materials, for example wood fibre, raw cellulose, hemp and flax fibre, rock wool, glass fibre etc.
- Improved material conditioning of traditional insulation materials and therefore higher productivity

## Technical data:

- Electrical connection: 230 V~
- Power rating: 0,75 kW
- Turning speed: 250 - 350 Upm (regulatable)
- Dimensions: approx. 800 x 160 mm (D x H)
- Weight: approx 55 kg
- Control: Master-Slave Signal from the machine
- Included:
  - Shredder with 230V / earthed power adaptor
  - Airlock ventilation cover
  - 70x110 woven polypropylene sack (product no. 1085)
- Operating instructions

**03 Machine accessories****Extension tube NW75>90****Art. 6746**

Klick me! (Image similar)

Outlet connections for extending from NW75 (3") to NW90 (3 1/2").  
Compatible for machines with NW75 threaded connector: M95, EM3XX, EM4XX, EM5XX (and possibly more)  
Side outlet: NW90 (3 1/2") equipped with threads (compatible for conveyor lines NW90) or Storz coupling

## Options:

- Measuring devices: Pressure measuring device, D=117mm (prod. no. 7079)

**NW63 38 reducer tube****Art. 6224**

Klick me! (Image similar)

Stainless steel reducer tube for insertion in to airlock outlet of the Minifant M99. Connects to NW38 (1 1/2") hose.

## Please note:

- When ordering with new machines, the compatibility of the reducer tube and the airlock outlet will be checked.
- When reordering, either a compatible airlock outlet must be ordered, or the existing airlock must be revised.

## Delivery list with illustrations

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### 03 Machine accessories

#### [NW63 50 reducer tube](#)

Art. 2862



Stainless steel reducer tube for insertion in to airlock outlet of the Minifant M99. Connects to NW50 (2 1/2 ") hose. Please note:  
 - When ordering with new machines, the compatibility of the reducer tube and the airlock outlet will be checked.  
 - When reordering, either a compatible airlock outlet must be ordered, or the existing airlock must be revised.

Klick me! (Image similar)

#### [Reducer tube NW75>50](#)

Art. 1972



Reducer tube, for attachment to airlock outlet of EM5X0, EM4X0, EM3X0, M95, Suitable for NW50 (2") hose connection (adjustable to various lengths, see illustration and assembly instructions) Please note:  
 - When ordering with new machines, the compatibility of the reducer tube and the airlock outlet will be checked.  
 - When reordering, either a compatible airlock outlet must be ordered, or the existing airlock must be revised.

Klick me! (Image similar)

#### [Reducer tube NW75>63](#)

Art. 526



Stainless steel reducer tube, for attachment to airlock outlet of EM5X0, EM4X0, EM3X0, M95, suitable for NW63 (2 1/2 ") hose connection Please note:  
 - When ordering with new machines, the compatibility of the reducer tube and the airlock outlet will be checked.  
 - When reordering, either a compatible airlock outlet must be ordered, or the existing airlock must be revised.

Klick me! (Image similar)

#### [EM100: Support for bags](#)

Art. 4714

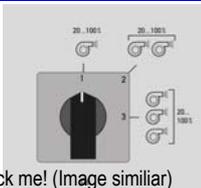


Use: Support for bags and cover, suitable for the EM100 blowing machine. Incl. support bracket, ready for attachment to the hopper.

Klick me! (Image similar)

#### [EM320 / EM340: Additional option for blower 3, controllable via speed controller](#)

Art. 7730



With this additional option, blower 3 cannot only be turned on and off as a booster, the blower's performance can also be set synchronously with blower 1 and 2 via the control. When ordering this additional option, a third speed controller will be installed in the electrical switchboard.

Klick me! (Image similar)

#### [EM 440: Variant 10,8kW](#)

Art. 8126



Change of the standard air power of an insulation blowing machine EM440-400V/10.5kW made by X-Floc

With this upgrade, the air power of an insulation blowing machine EM440-400V/10.5kW made by X-Floc can be increased by 0.35kW. This variant's air power is 8.8kW, the overall performance is 10.8kW.

Klick me! (Image similar)

Compatible only with the X-Floc insulation blowing machine  
 - EM440-400V/10.5kW

With this upgrade, the insulation blowing machine will reach an overall performance of approx. 10.8kW. A continuous operation with a power generator XE14kW can therefore not be recommended.

This variant can only be chosen when buying a new X-Floc insulation blowing machine. Already existing insulation blowing machines can be possibly upgraded. Please contact our customer service team for possibilities.

#### [EM400: Optional add-on AE - blow-off unit \(EM440-3x230V/10.0kW only\)](#)

Art. 6526



Klick me! (Image similar)

Pressure control unit consisting of weighted pistons and air outlet holes in the cylinder. With the adjustable weighted discs, desired maximum pressure can be selected. Responsive pressure control. Responsive pressure control. This is especially advantageous for pressure sensitive retaining board material and airtight construction (plaster board, etc.).. Consists of:

- Fully assembled blower unit.
- Slide gate weight: 3 x 0,4 kg, 3 x 1,0 kg, 1 x 2,0 kg
- Safety catch
- Scatter diagram of weight loading / Maximum pressure

+++++

This item can only be added to an EM440-3x230V-10kW  
 For all other EM400- and EM500-models please use Art.-Nr. 4038

**03 Machine accessories**

+++++

**EM400/500: Optional add-on AE - blow-off unit**

**Art. 4038**



Klick me! (Image similar)

Pressure control unit consisting of weighted pistons and air outlet holes in the cylinder. With the adjustable weighted discs, desired maximum pressure can be selected.

Responsive pressure control. This is especially advantageous for pressure sensitive retaining board material and airtight construction (plaster board, etc.)..

Consists of:

- Fully assembled blower unit.
- Slide gate weight: 3 x 0,4 kg, 3 x 1,0 kg, 1 x 2,0 kg
- Safety catch
- Scatter diagram of weight loading / Maximum pressure

+++++

This item can NOT be added to an EM440-3x230V-10kW

For this model please use Art.-Nr. 6526

+++++

**EM400/500: Optional add-on DS - Adjustable airlock rotation speed**

**Art. 5060**



Klick me! (Image similar)

Adjustable airlock rotation speed for the EM400 / EM500 machine series

Selectable by the Radio Remote Control FFB2000-Pro, switching over on the electrical switchboard isn't necessary any longer.

**FFB 400: Case for hand-held controls.**

**Art. 4716**



Klick me! (Image similar)

Tear-resistant leather case with clear protective cover.

Use.: Hand held transmitter with four buttons, products no.: 4487

FFB400 radio remote control, product no.: 4568

**FFB 2000 Pro - FM Radio/Cable Remote Control**

**Art. 5154**



Klick me! (Image similar)

Bidirectional radio remote control of M95 Zellofant, EM400, M03 Turbofant etc., suitable for all machine types, bidirectional radio communication with FM technology, authorised in Germany and all EU member states.

Consists of:

- Mobile hand held unit with antenna and socket for control/charging cable
- Plug-in charger
- Receiver (IP64) in metal casing with antenna and approx. 4m connection cable with contact-plug
- Complete in aluminium case

Optional extras:

- FFB2000-Pro: Connection cable 50m (Ring) (prod. no. 5280)
- FFB2000-Pro: Connection cable 50m on cable drum (prod. no. 5167) (other lengths on request)
- FFB2000-Pro: Charger for car (cigarette lighter) (prod. no. 7904)
- FFB2000-Pro: Control cable 50m PUR 10x0,34mm<sup>2</sup> (prod. No. 7208)

Special feature:

Hand held receiver can be connected with a cable in the case of empty batteries or interference in radio communication (connection cable required).

**FFB 500 - Radio remote control bidirectional**

**Art. 6708**



Klick me! (Image similar)

Bidirectional radio remote control for controlling X-Floc insulation blowing machines and fibre switch cascades

Suitable for

- Insulation blowing machines with control circuits
- Fibre switch cascades

Advantages

- Robust plastic housing
- Light and handy design
- High range
- Possibility to choose between two operating frequencies

Hand-held control:

- Dimensions (WxHxD): 62x111x18mm
- Weight: approx. 80g (without batteries)
- Radio performance: 10dBm
- Operating frequencies (adjustable): 868,15 MHz, 868,45 MHz
- Range: approx. 180m in free field
- Batteries: 3x AAA micro cells
- Battery life: approx. 800 working hours
- Number of buttons: 8
- Battery- and radio contact LED

**03 Machine accessories**

- Operation: Air ON, Material ON, Air and Material ON
- Key lock (against unintended input)
- Possible setting of the air- and material's start-up and shut-down delay times (0...9 sec.)
- Short circuit-, under- and overvoltage protected

Receiver:

- Dimensions (HxBxT): 81x120x46mm (without magnet foot and antenna)
- Weight: approx. 250g (without cable)
- Radio performance: 10 dBm
- Range monitoring with safety shut-down when exceeding
- Short circuit-, under- and overvoltage protected

Scope of delivery

- Receiver with antenna
- Hand-held control
- Case
- Neck strap
- Operating Instructions

Options

- Hand-held control sport case (prod. no. 5016)
- Wrist strap L= 21cm (prod. no. 7128)
- Control adapter 7+1 pin plug to 8+1 pin socket (prod. no. 7176)
- Control adapter 8+1 pin plug to 7+1 pin socket (prod. no. 7447)
- Control cable 25m PUR, ring (10-core, contact plug/socket) (prod. no. 8087)
- Control cable 50m PUR, ring (10-core, contact plug/socket) (prod. no. 7208)
- Control cable 50m PUR on drum (10-core, contact plug/socket) (prod. no. 8086)

**FFB: Sport case for hand-held controls**

**Art. 5016**



Klick me! (Image simililar)

Sport case for hand-held control of a radio remote control FFB40, FFB400 and FFB500. Enables a comfortable wearing of the hand-held control on the lower or upper arm.

Technical details

- Dimensions (LxWxH): approx. 45,5x15,5x2cm (extendable to approx. 24,5cm)
- Weight: approx. 65gr
- Material: textile
- Colour: black

**FFB 2000-Pro: Connection cable 50m on cable reel**

**Art. 5167**



Klick me! (Image simililar)

Connection cable and/or extension cable for FFB2000-Pro hand-held control and receiver, consists of:

- 50m shielded data line 5x0,34qmm, flexible, drag chain
- Rolled up on high value cable reel made from metal
- 4-pin plug with quick lock
- Coupling 4-pin with quick lock

**FFB400: Control adapter 8+1 pole plug to 7+1 pole socket**

**Art. 7447**



Klick me! (Image simililar)

Adapter (L=approx. 0,3m) for use with a radio remote control FFB400 in combination with an insulation blowing machine M99G.

1. side: plug 8+1 pole
2. side: socket 7+1 pole

**FFB500: Control adapter 7+1 pin plug on 8+1 pin socket**

**Art. 7176**



Klick me! (Image simililar)

Adapter (L=approx. 0,3m) for use of a radio remote control FFB500 in combination with an insulation blowing machine Minifant M99, series C, D, E or F.

1. Connector side: socket 8+1 pin
2. Connector side: plug 7+1 pin

**FFB500: Steueradapter 7+1 pol Stecker auf 8+1 pol Buchse**

**Art. 7876**

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Klick me! (Image simililar)

# Delivery list with illustrations

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## 03 Machine accessories

### SW13 combination spanner with ratchet

Art. 3000

SW13



Klick me! (Image similair)

### KFB 30-7p - Hand-held control

Art. 2459

Hand-held control for the insulation blowing machines EMX90, EMX250, EM100 and M99-Standard and -DS up to and including series F.



Klick me! (Image similair)

With toggle switch for:  
 - Air ON  
 - Air and material ON  
 - OFF (center position)

Including connection cable (approx. L=0,5m) and plug (Contact 7+1)

Optional accessories:

- Extension cable L=25m (prod. no. 1655)
- Extension cable L=50m (prod. no. 1814)
- Extension cable L=50m on cable reel (prod. no. 1882)

### KFB 30-8p - Hand-held control

Art. 7852

Hand-held control for the insulation blowing machines M99-Standard and -DS from series G.



Klick me! (Image similair)

With toggle switch for:  
 - Air ON  
 - Air and material ON  
 - OFF (center position)

Including connection cable (approx. L=0,5m) and plug (Contact 8+1)

Optional accessories:

- Extension cable L=25m (prod. no. 2015)
- Extension cable L=50m (prod. no. 2166)
- Extension cable L=50m on cable reel (prod. no. 1987)

### KFB 3-7p - Hand-held control

Art. 3821

Hand-held control for the insulation blowing machines EMX90, EMX250, EM100 and M99-Standard and -DS up to and including series F.



Klick me! (Image similair)

With toggle switch for:  
 - Air ON  
 - Air and material ON  
 - OFF (center position)

Including connection cable (approx. L=0,5m) and plug (Contact 7+1)

Optional accessories:

- Extension cable L=25m (prod. no. 1655)
- Extension cable L=50m (prod. no. 1814)
- Extension cable L=50m on cable reel (prod. no. 1882)

### KFB 3-8p - Hand-held control

Art. 7851

Hand-held control for the insulation blowing machines M99-Standard and -DS from series G.



Klick me! (Image similair)

With toggle switch for:  
 - Air ON  
 - Air and material ON  
 - OFF (center position)

Including connection cable (approx. L=0,5m) and plug (Contact 8+1)

Optional accessories:

- Extension cable L=25m (prod. no. 2015)
- Extension cable L=50m (prod. no. 2166)
- Extension cable L=50m on cable reel (prod. no. 1987)

### KFB2000 - operating unit

Art. 1497

Cable control unit suitable for M95 Zellofant, M03 Turbofant etc. with the following features::

Touch-sensitive key-pad with three colours; excess pressure audible alert; robust, single circuit board design ; can be adapted to radio remote control FFB-FM.

Equipped with: 0.2 to 0.5m protected control cable; 8-pole circular contact plug

+++++ Note: system change +++++

From 2009 onwards we will only use lock-twist plugs.

Please check the thread of existing cable and extension sockets.



Klick me! (Image similair)

**03 Machine accessories**

Sockets with damaged threads must be replaced.  
 ++++++

**KFB3 – Hand-held control unit incl. 5m connection cable (Peak Seasons Edition)**

**Art. 6510**



For manual operation of M300 CE with toggle switch for  
 - Air ON  
 Air and material ON  
 - OFF (intermediate setting)  
 with 5m connection cable and plug

Klick me! (Image similar)

**Master-slave control 24V= / 230V~**

**Art. 1057**



Spec.: Control side connection with 4-pin plug and attachment device M95 Zellofant, M99 Minifant, M03 Turbofant (can also be used with other machines), length of plug-end of cable. approx. 1.5m, length of socket-end of cable approx. 0.5m  
 Output 1x230V, 12 A with IN/OUT blower function with loose cable ends, earthed coupling and plug.  
 Maximum power requirement: 3kW

Klick me! (Image similar)

**Exhibition model Zellofant M95/EM300**

**Art. 3020**



Model for demonstrating the blow-in process. Attaches to Zellofant M95/EM3X0, suitable for cellulose and wood fibre. Optimal Zellofant-adjustment: automatic shut down at 120 mbar  
 Included:  
 - 2,5m conveyor hose NW75  
 - 2x hose clamps NW75  
 - 1x socket spanner SW13

Klick me! (Image similar)

Required / recommended accessories:  
 - Short hopper top piece. Product no. 4812  
 - KFB control cable L=5m, product no. 1119

Optional: customer specific advertising sticker upon request  
 Dimensions: Approx.: (L x W x H) 112 x 86 x 118

**Exhibition Model, Compact**

**Art. 3132**



Model for demonstrating the blow-in process. Attachment for Minifant M99 or Zellofant M95 with adapter plate, suitable for cellulose and wood-fibre and other free-flowing bulk materials.

Necessary / recommended accessories:  
 - Minifant M99 or Zellofant M95  
 - For Zellofant, medium-height hopper top piece where necessary, product. no. 2848  
 - KFB control cable L=5m, product no. 1119  
 - Zellofant adapter plate (product no. 3135)  
 - Transport crate (product no. 3134)

Klick me! (Image similar)

Optional: customer-specific advertising label on request – graphic data must be supplied  
 Dimensions: ( L x W x H ) 86 x 100 x 120cm

**Exhibition Model, compact: adapter plate**

**Art. 3135**

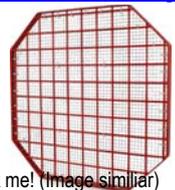


Adapter plate for 'Exhibition Model, Compact'. (For Zellofant M95)  
 Dimensions (approx.): (D x H) 85 x 2.5 cm

Klick me! (Image similar)

**Minifant: Detention grid for bulk materials**

**Art. 8148**



Detention grid for installation in the filling hopper of the X-Floc insulation blowing machine Minifant M99

By using the detention grid, insulation material particles with a diameter >10mm falling in the machine's hopper bottom area and therefore into the conditioning unit and the rotary airlock can be prevented.

In the powder-coated grid (hole size = 50x50mm) with surrounding robust metal frame, a weld grid with a hole size of 10x10mm is inserted.

Klick me! (Image similar)

Application:  
 Processing of loose bulk materials, e.g. EPS- or mineral granules

Advantage:  
 Due to the two-layer structure, the hole size can be easily adjusted to the application's requirements and may vary "infinitely" between 10x10 and 50x50mm.

Technical details:  
 Material (grid/frame): steel  
 Surface (grid/frame): powder coating, red (RAL3000)  
 Material (grid shelf): steel

**03 Machine accessories**

Surface (grid shelf): galvanised  
 Dimensions: approx. 0.53x0.53m  
 Weight: approx. 2.98kg

Scope of delivery:  
 Detention grid, mounted ready for use

**Minifant: Retention grid for M99 hopper**

**Art. 2940**



Klick me! (Image similar)

Optionally, when processing bulk materials. Serves as a contact protection as well.  
 Powder coating red.

Without finely woven insertion grid.

Finely woven insertion grid (prod. no. 8148)

**Minifant: Sack support**

**Art. 3474**



Klick me! (Image similar)

Use: Practical support for bags and hopper cover suitable for the M99 Minifant.  
 Ready for attachment to the hopper top piece. Extension including support bracket.

**Mains voltage display**

**Art. 4604**



Klick me! (Image similar)

Suitable for use with the following machines:  
 - M99, all models  
 - M95, 230V  
 - EM320-2x230V  
 - EM325, EM345, EM365 (230V- additional connection)  
 - EM440-400V (up to 3 pieces)

Use:  
 Detects fluctuating or low voltage supplies.  
 Sometimes power supplies collapse under load, which means, that at a standstill of the machine its full voltage is available, but as soon as the (additional) fans are switched on the supply voltage collapses. Recognizing this isn't possible with a simple stand-by LED.

Digital display of the supply voltage of to the 230V connection.  
 Large, easy to read and a bright LED digital display from 85 to 264 volts.

**100 x 150 cm woven polypropylene bag**

**Art. 801**



Klick me! (Image similar)

100 x150cm woven polypropylene bag, blue/white or blue/blue, made of PP 80/l (hem at top)  
 +++10% discount when purchasing more than 20 sacks +++  
 +++15% discount when purchasing more than 50 sacks+++

**70x110cm woven polypropylene bag**

**Art. 1085**



Klick me! (Image similar)

Bag made out of high-strength, air permeable and filterable woven polypropylene, with top seam (suitable for suction drum V=115l prod. no. 1160)  
 +++ 10% discount when purchasing more than 20 bags +++  
 +++ 15% discount when purchasing more than 50 bags +++

**SW13 hexagonal socket spanner.**

**Art. 832**



Klick me! (Image similar)

Hexagonal socket spanner with square handle, wrench size: 13, blade length: 125mm

**Electric generator XE exhaust hose**

**Art. 4800**



Klick me! (Image similar)

Suitable for XE14KW electric generator (product 4585) and for XE10KW ( Product 4978 )  
 Flexible metal hose for removal of exhaust gases.  
 Length: 1.5 M  
 (not suitable for enclosed spaces)

## Delivery list with illustrations

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### 03 Machine accessories

#### [XE14kW electric generator: 90° adapter for exhaust hose](#)

Art. 4801



Suitable for XE14KW electric generator (prod. No. 4585) and for XE10KW (prod. No. 4978)  
90° bend suitable for exhaust hose

Klick me! (Image similar)

#### [Power generator XE10kW: Wheel set](#)

Art. 4982



Use: Suitable for XE10kW (prod. no. 4978)  
Easy assembly without drills for model with full frame

Klick me! (Image similar)

#### [XE14kW power generator refuelling system](#)

Art. 4802



Includes: 20 litre canister with fuel extraction device.

Klick me! (Image similar)

#### [Power generator XE14kW: Hose for refuelling system](#)

Art. 5753

Spare hose for the refuelling system



Klick me! (Image similar)

#### [VS: Suction drum V = 115I](#)

Art. 1160



Ready for use with woven polypropylene sacks (Dimensions. 45x86cm) Incl.

- Hinged lid with quick seal
- Material suction connection: 3"
- Air extraction connection: 3"
- Five 70x110 woven polypropylene sacks
- 1.5 m NW 75 conveyor hose
- Two NW 75 quick-connect clamps
- One 75>63 plastic reducer tube (Standard) or alternatively 75>50

Weight: approx. 20kg

Note: M99 or EM3XX or EM4XX machines can be used to vacuum in conjunction with this product.

Standard suction speed for cellulose:

One 12 kg sack is filled withing 2.5 minutes (approx.). Sack replacement requires approx. 20 seconds.

Therefore suction rate is approx. 255 kg/h.

Klick me! (Image similar)

#### [VS: Suction drum V=250L](#)

Art. 3075



Dimensions: 63 x 100 cm (D x H)

Comfortable processing of large volumes of material.

Ready for use with woven polypropylene sacks. Incl:

- Hinged lid with quick seal
- Material suction connection: 3"
- Air extraction connection: 3"
- Five 100 x 150 woven polypropylene sacks
- 1.5 m NW 75 conveyor hose
- Two NW 75 quick-connect clamps
- One 75>63 plastic reducer tube (Standard) or alternatively 75>50

Weight: approx. 31kg.

Standard suction speed for cellulose:

One 19 kg sack is filled within 3.5 minutes (approx.). Approx. 20 seconds is required to change sack.

Therefore suction rate is approx. 280 kg/h.

Klick me! (Image similar)

#### [MW100-50 replacement grid](#)

Art. 4164



Description: Replacement grid for cellulose, rock wool and similar, suitable for the zellofant M95.

The new grid geometry allows for better material conditioning.

The narrow mesh opening above the airlock prevents insufficiently shredded material from falling into the airlock.

Powder coated finish

Colour: fiery red RAL3000, glossy

Klick me! (Image similar)

# Delivery list with illustrations

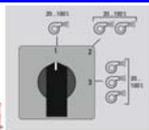
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## 03 Machine accessories

### Zellofant M95-400V-7,0kW Zellofant optional add-on - all blowers adjustable - Var.3

Art. 6937



Klick me! (Image similar)

With this additional option, the power of all three centrifugal fans of the insulation blowing machine can be adjusted with the control.

This results in the following load distribution during machine operation:

Blower selector switch in position 1: the engine of the airlock and the engine of the stirring unit are distributed among the phases 1, 2 and 3. The blower 1 (adjustable) is distributed among phase 1.

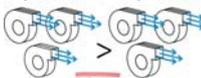
Blower selector switch in position 2: see position 1, in addition the blower 2 (adjustable) is distributed among phase 2.

Blower selector switch in position 3: see position 2, in addition the blower 3 (adjustable) is distributed among phase 2.

### Zellofant M95-400V-7,0kW Update to 7,3kW - Var.2

Art. 6909

7,0kW > 7,3kW



Klick me! (Image similar)

With this update, the air power of the machine is increased by 0,3kW and distributes the connection load of the insulation blowing machine almost uniformly among the three phases of the three-phase connection.

This results in the following load distribution during machine operation:

Blower selector switch in position 1: the engine of the airlock and the engine of the stirring unit are distributed among the phases 1, 2 and 3. The blower 1 (adjustable) is distributed among phase 1.

Blower selector switch in position 2: see position 1, in addition the blower 2 (adjustable) is distributed among phase 2.

Blower selector switch in position 3: see position 2, in addition the blower 3 (full load) is distributed among phase 3.

### Zellofant: Retention grid for M95 hopper

Art. 2941



Klick me! (Image similar)

Optional accessory for processing loose bulkware. With a fine wire mesh for insertion into the hopper top piece. Red, powder coated finish

### Zellofant support for bags

Art. 4791



Klick me! (Image similar)

Ergonomic support for bags allows comfortable and easy bag loading.

Consists of:

- Sturdy aluminium support for bags with support bracket.

### Zellofant: Sack support with dust extraction attachment (material: wood)

Art. 5786



Klick me! (Image similar)

The ergonomic sack support allows the placement of the machine with the sack ware, the convenient opening positioning, opening and feeding of the insulation material. The dust extraction attachment holds back any leaking dusts by strip curtains and can be actively vacuumed in combination with a vacuum station in order to further reduce the dust emissions. The structure can be folded together for warehouse and transport purposes.

Options:

- Amplifier and vacuum station VS3,0kW complete set (prod. no. 1374)
- Amplifier and vacuum station VSK2,8kW complete set (prod. no. 2886)
- Half-height hopper (prod. no. 4812)

Weight: approx. 33kg

Dimensions

- a) folded up: box 150x860x850mm (HxLxW) / sack support: 935mm (L)
- b) constructed: 665x1460x850 (HxLxB)

Total height: Zellofant M95 with sack support and dust extraction attachment:

- Total height machine = 1425 + 625 = approx. 2050mm
- Total sack support height = approx. 1500mm

Machine height with half-height machine hopper:

- Machine total height = 1200 + 625 = approx. 1825mm
- Sack support height = approx. 1275mm

### Zellofant: Airlock slide gate

Art. 3194



Klick me! (Image similar)

When ordered with a new machine, kit comes ready installed.

When ordered as an upgrade set, consists of 3 parts:

- Mounting bracket with chains and securing bolts (material: steel).
- Adjusting lever with 14 adjustment holes (material: steel)

Airlock cover (material: stainless steel)

Note: tools and installation materials necessary

## Delivery list with illustrations

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### 03 Machine accessories

#### [Zellofant: Short hopper top piece](#)

Art. 4812



Klick me! (Image similar)

Shorter hopper top piece, suitable for M95 Zellofant  
 H=approx. 75 cm (with bottom section of M95 machine, H= approx. 100cm)  
 Hopper volume V =approx.. 0.3m³,  
 Powder coated finish, incl. four handles, 3 securing clips and comes complete with stickers.

Optional extras:

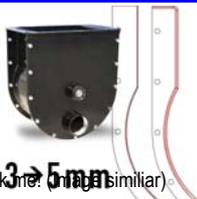
- Support for bags (product no. 4791)
- Support for bags with dust reducing cover (product no. 3218)

+++ Important safety information: +++

The short hopper top piece is only CE approved when used in conjunction with a module which prevents reaching in to the machine (e.g. Support for bags with dust-reducing cover-product no. 3218) and with a health and safety policy in place. Safety without such a module is not guaranteed- the machine does not meet CE requirements because of the unsafe distance between the top of the machine and the material conditioning areas.

#### [Zellofant: Reinforced Rotary Airlock \(additional charge\) L200](#)

Art. 6719



Klick me! (Image similar)

Reinforced rotary airlock through thicker wall strengths for longer service life when working with abrasive insulation materials such as glass wool, mineral wool and similar.  
 Application: article can only be ordered in conjunction with a new machine from the M95 type as an option.

Technical Details:

- Increased wall strength whose surfaces come into contact with material (airlock head surfaces and casing surface shell).
- Material: steel
- Outer surface: powder coated

#### [Zellofant: Reinforced Rotary Airlock \(additional charge\) L230, 1x63mm](#)

Art. 6726



Klick me! (Image similar)

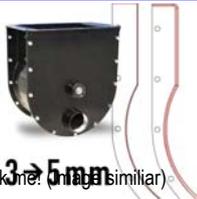
Reinforced rotary airlock through thicker wall strengths for longer service life when working with abrasive insulation materials such as glass wool, mineral wool and similar.  
 Application: article can only be ordered in conjunction with a new machine from the M95 type as an option.

Technical Details:

- Increased wall strength whose surfaces come into contact with material (airlock head surfaces and casing surface shell).
- Material: steel
- Outer surface: powder coated

#### [Zellofant: Reinforced Rotary Airlock \(additional charge\) L230, 2x50mm](#)

Art. 6725



Klick me! (Image similar)

Reinforced rotary airlock through thicker wall strengths for longer service life when working with abrasive insulation materials such as glass wool, mineral wool and similar.  
 Application: article can only be ordered in conjunction with a new machine from the M95 type as an option.

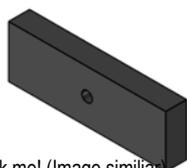
Technical Details:

- Increased wall strength whose surfaces come into contact with material (airlock head surfaces and casing surface shell).
- Material: steel
- Outer surface: powder coated

### 04 Nozzles and blowing accessories

#### [Sealing wedge 100x250x100 -> 1000x250x100mm](#)

Art. 7309



Klick me! (Image similar)

Suitable for sealing of flat injection openings, suitable for hoses NW75/63/50

Technical details:

Material: tear resistant foam, anthracite  
 Dimensions: variable length, up to 1000 x 250 x 100 mm

Longer dimensions on request

#### [Sealing sponge NW38/NW50, 250x250x40](#)

Art. 7101



Klick me! (Image similar)

For sealing injection holes when using hoses NW38 or NW50

Technical details:

Material: foam, anthracite  
 Dimensions: 250 x 250 x 40 mm  
 Hole: d = approx. 35 mm

+++ discount of 15% when purchasing 5 or more pieces +++

#### [Sealing sponge NW38/NW50, 400x300x40](#)

Art. 6336



Klick me! (Image similar)

For sealing injection holes when using hoses NW38 or NW50

Technical details:

Material: foam, anthracite  
 Dimensions: 400 x 300 x 40 mm  
 Hole: d = approx. 35 mm

+++ discount of 15% when purchasing 5 or more pieces +++

**Delivery list with illustrations**

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**04 Nozzles and blowing accessories****Sealing sponge NW50/NW63, 250x250x40****Art. 7100**

For sealing injection holes when using hoses NW50 or NW63



Klick me! (Image similar)

Technical details:  
 Material: foam, anthracite  
 Dimensions: 250 x 250 x 40 mm  
 Hole: d = approx. 50 mm

+++ discount of 15% when purchasing 5 or more pieces +++

**Sealing sponge NW50/NW63, 400x300x40****Art. 3947**

For sealing injection holes when using hoses NW50 or NW63



Klick me! (Image similar)

Technical details:  
 Material: foam, anthracite  
 Dimensions: 400 x 300 x 40 mm  
 Hole: d = approx. 50 mm

+++ discount of 15% when purchasing 5 or more pieces +++

**Sealing sponge NW63/NW75, 250x250x40****Art. 7099**

For sealing injection holes when using hoses NW63 or NW75



Klick me! (Image similar)

Technical details:  
 Material: foam, anthracite  
 Dimensions: 250 x 250 x 40 mm  
 Hole: d = approx. 60 mm

+++ discount of 15% when purchasing 5 or more pieces +++

**Sealing sponge NW63/NW75, 400x300x40****Art. 292**

For sealing injection holes when using hoses NW63 or NW75



Klick me! (Image similar)

Technical details:  
 Material: foam, anthracite  
 Dimensions: 400 x 300 x 40 mm  
 Hole: d = approx. 60 mm

+++ discount of 15% when purchasing 5 or more pieces +++

**DD: Rotary nozzle 50>24mm****Art. 852**

Rotary nozzle for injecting insulation material.



Klick me! (Image similar)

Well suited for insulation works at critical connections (roof windows lining), cavities with rough surfaces (old mineral wool, coconut etc.), thin insulation layers, in case of rough surfaces e.g. plasters, on already existing insulations (mineral wool), large filling radii and the processing of loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:  
 - Material: aluminium, steel  
 - Insertion depth: max. 280 mm  
 - Overall length: 420 mm  
 - Nozzle pipe: inner diameter 21 mm, outer diameter 24 mm  
 - Hose connection: NW50 (2"), rotatable  
 - Nozzle outlet: angled  
 - Bore hole: 25 mm

Scope of delivery:  
 - Rotary nozzle with carrying belt, distance ring and operating instructions

**DD: Rotary nozzle 50>24mm / 45° outlet wear-resistant****Art. 6291**

Rotary nozzle for injecting insulation material.



Klick me! (Image similar)

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:  
 - Material: aluminium, steel  
 - Insertion depth: max. 278 mm  
 - Overall length: 390 mm  
 - Nozzle pipe: outer diameter 24 mm  
 - Hose connection: NW50 (2"), rotatable  
 - Nozzle outlet: 45°  
 - Bore hole: 24 mm

Scope of delivery:  
 - Rotary nozzle with carrying belt, distance ring and operating instructions

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**04 Nozzles and blowing accessories****DD: Drehdüse 50>24mm 90° sawn-off****Art. 2828**

Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at critical connections (roof windows lining), cavities with rough surfaces (old mineral wool, coconut etc.), thin insulation layers, in case of rough surfaces e.g. plasters, on already existing insulations (mineral wool), large filling radii and the processing of loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 235 mm
- Overall length: 380 mm
- Nozzle pipe: inner diameter 22 mm, outer diameter 24 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: 90°
- Bore hole: 30 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

**DD: Rotary nozzle 50>29mm / 45° outlet wear-resistant****Art. 8081**

Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 300 mm
- Overall length: 420 mm
- Nozzle pipe: inner diameter 26 mm, outer diameter 30 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: 45°
- Bore hole: 30 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

**DD: Rotary nozzle 50>29mm 90° sawn-off****Art. 4788**

Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 302 mm
- Overall length: 445 mm
- Nozzle pipe: inner diameter 26 mm, outer diameter 30 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: 90°
- Bore hole: 35 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

**DD: Rotary nozzle 50>29mm with crank****Art. 544**

Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 209 mm
- Overall length: 350 mm
- Nozzle pipe: inner diameter 26 mm, outer diameter 29 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: cranked
- Bore hole: 30 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

**Delivery list with illustrations**

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**04 Nozzles and blowing accessories****DD: Rotary nozzle 50>35mm****Art. 3569**

Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 195 mm
- Overall length: 337 mm
- Nozzle pipe: inner diameter 32 mm, outer diameter 35 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: angled
- Bore hole: 36-40 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

**DD: Rotary nozzle 50>35mm / 45° outlet wear-resistant****Art. 6297**

Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 195 mm
- Overall length: 337 mm
- Nozzle pipe: inner diameter 32 mm, outer diameter 35 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: angled, 45°
- Bore hole: 35 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

**DD: Rotary nozzle 63>35mm****Art. 2496**

Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 195 mm
- Overall length: 337 mm
- Nozzle pipe: inner diameter 32 mm, outer diameter 35 mm
- Hose connection: NW63 (2,5"), rotatable
- Nozzle outlet: angled,
- Bore hole: 36-40 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

**DD: Rotary nozzle 63>35mm / 45° outlet wear-resistant****Art. 7146**

Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 195 mm
- Overall length: 333 mm
- Nozzle pipe: inner diameter 32 mm, outer diameter 35 mm
- Hose connection: NW63 (2,5"), rotatable
- Nozzle outlet: angled, 45°
- Bore hole: 35 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

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### 04 Nozzles and blowing accessories

#### DD: Rotary nozzle 63>35mm outlet spoon shape

Art. 8503



Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 195 mm
- Overall length: 337 mm
- Nozzle pipe: inner diameter 21 mm, outer diameter 35 mm
- Hose connection: NW63 (2,5"), rotatable
- Nozzle outlet: spoon shape
- Bore hole: 25 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

#### DD: Rotary nozzle 75>50mm

Art. 2997



Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 214 mm
- Overall length: 360 mm
- Nozzle pipe: inner diameter 47 mm, outer diameter 50 mm
- Hose connection: NW75 (3"), rotatable
- Nozzle outlet: angled
- Bore hole: 52 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

#### DD: Rotary nozzle 75>50mm / 45° outlet wear-resistant

Art. 8128



Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 223 mm
- Overall length: 370 mm
- Hose connection: NW75 (3"), rotatable
- Nozzle outlet: 45°
- Bore hole: 52 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

#### DDE: Drill bit 106.5mm with ejection system

Art. 4983



Klick me! (Image similar)

Use: Hole saw with ejection system, d = 106,5mm

#### DDE: Drill bit 85.5mm with ejection system

Art. 4984



Klick me! (Image similar)

Use: Hole saw with ejection system, d = 85,5mm

**04 Nozzles and blowing accessories****DDE: Rotary nozzle "J-Jet 75" for insulation thickness 145-500 mm****Art. 3795**

Klick me! (Image similar)

Ventilated rotary nozzle for injecting insulation material into stud wall constructions whilst suctioning excess air out of the cavity.

**Advantages:**

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process

**Technical details:**

- Dimensions: approx. 360 mm x 105 (L x D)
- Weight: approx. 2,6 kg
- Insulation thickness: 145-500 mm with sash lock as fixation, 105-145 mm applicable without fixation
- Panelling thickness: 0-75 mm due to adjustable flange
- Hose connection: 75 mm (3")
- Drill hole: 105-115 mm
- Pipe: outer diameter 60 mm

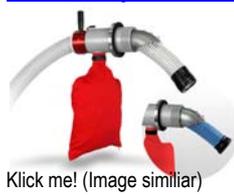
**Scope of delivery:**

Rotary nozzle with sawn-off pipe bend, sash lock as fixation in the drill hole, dust sack with zipper, carrying belt and operating instructions

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

**Optional accessories:**

- Hole saw with ejection system complete D=106,5mm (prod. no. 4966)

**DDE: Rotary nozzle "S-Jet 63" combined injection nozzle****Art. 4910**

Klick me! (Image similar)

Ventilated special hose rotary nozzle for injecting insulation material into stud wall constructions whilst suctioning excess air out of the cavity.

**Advantages:**

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process
- Combination of hose- and rotary nozzle blowing
- Optimized for injecting stud wall constructions and roof slopes

**Technical details:**

- Weight: approx. 2,7 kg (without hose)
- Insulation thickness: from approx. 180 mm with sash lock as fixation, 160 mm under favorable conditions
- Panelling thickness: up to approx. 80 mm due to adjustable flange
- Conveyor hose: NW63 (2,5"), L= 6,5 m
- Drill hole: 105-115 mm

**Scope of delivery:**

Rotary nozzle with conveyor hose (6,5 m), sash lock as fixation in the drill hole, dust sack with zipper, carrying belt and operating instructions

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

**Optional accessories:**

- Hole saw with ejection system complete D=106,5mm (prod. no. 4966)
- Hole saw HF (wood fiber) D=106,5mm (prod. no. 5917)
- Reducer tube NW75>63 (prod. no. 1261)
- Rotary connector NW75 (prod. no. 4451)
- Sealing corks 106 (prod. no. 1948)
- Sealing plugs 106 (prod. no. 4673)
- Injection hose soft NW63 (2,5"), L= 15 m (prod. no. 4779)

**DDE: Rotary nozzle "X-Jet 63" for insulation thickness 40-300 mm****Art. 1708**

Klick me! (Image similar)

Ventilated rotary nozzle for injecting insulation material into stud wall constructions whilst suctioning excess air out of the cavity.

**Advantages:**

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process

**Technical details:**

- Dimensions: approx. 340 mm x 120 (L x D)
- Weight: approx. 1,5 kg
- Insulation thickness: 40-300 mm
- Hose connection: 63 mm (2,5")
- Suction connection: 40 mm
- Drill hole: 85 mm

**04 Nozzles and blowing accessories**

Scope of delivery:

Rotary nozzle with sawn-off 90° pipe bend, dust sack with zipper, carrying belt and operating instructions

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- Hole saw with ejection system complete D=85,5mm (prod. no. 4977)
- Clamping ring system for fixing the rotary nozzle into the drill hole (prod. no. 2223)
- Tools- and storage case (prod. no. 534)
- Sealing corks VK85 s=25 (prod. no. 2208)
- Sealing plugs VS85 (wood fiber) (prod. no. 4675)

**DDE: Rotary nozzle "X-Jet 63" with clamping ring for insulation thickness 40-300 mm****Art. 3843**

Klick me! (Image similar)

Ventilated rotary nozzle for injecting insulation material into stud wall constructions whilst suctioning excess air out of the cavity.

Advantages:

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process
- Clamping ring for fixation of the rotary nozzle into the drill hole

Technical details:

- Dimensions: approx. 340 mm x 120 (L x D)
- Weight: approx. 2,2 kg
- Insulation thickness: 40-300 mm
- Hose connection: 63 mm (2,5")
- Suction connection: 40 mm
- Drill hole: 106,5 mm

Scope of delivery:

Rotary nozzle with sawn-off 90° pipe bend, clamping ring, dust sack with zipper, carrying belt and operating instructions

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- Hole saw with ejection system complete D=85,5mm (prod. no. 4977)
- Hole saw HF (suited for wood fiber) 106,5mm (prod. no. 5917)
- Tools- and storage case (prod. no. 534)
- Sealing corks VK85 s=25 (prod. no. 2208)
- Sealing plugs VS85 (wood fiber) (prod. no. 4675)

**DDE: Rotary nozzle "X-Jet 75" for insulation thickness 120-400 mm****Art. 1789**

Klick me! (Image similar)

Ventilated rotary nozzle for injecting insulation material into stud wall constructions whilst suctioning excess air out of the cavity.

Advantages:

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process

Technical details:

- Dimensions: approx. 410 mm x 160 (L x D)
- Weight: approx. 2,1 kg
- Insulation thickness: 120-400 mm, with distance ring up to 100 mm
- Hose connection: 75 mm (3")
- Suction connection: 50 mm
- Drill hole: 106,5 mm

Scope of delivery:

Rotary nozzle with sawn-off 90° pipe bend, dust sack with zipper, carrying belt and operating instructions

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- Hole saw with ejection system complete D=106,5mm (prod. no. 4966)
- Hole saw HF (suited for wood fiber) 106,5mm (prod. no. 5917)
- Sealing corks VK106 (prod. no. 1948)
- Sealing plugs VS106 (wood fiber) (prod. no. 4673)

**04 Nozzles and blowing accessories****DDE: Rotary nozzle "X-Jet 75" with clamping ring for insulation thickness 120-400 mm****Art. 2929**

Klick me! (Image similar)

Ventilated rotary nozzle for injecting insulation material into stud wall constructions whilst suctioning excess air out of the cavity.

**Advantages:**

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process
- Clamping ring for fixation of the rotary nozzle into the drill hole

**Technical details:**

- Dimensions: approx. 410 mm x 160 (L x D)
- Weight: approx. 2,8 kg
- Insulation thickness: 120-400 mm, with distance ring up to 100 mm
- Hose connection: 75 mm (3")
- Suction connection: 50 mm
- Drill hole: 106,5 mm

**Scope of delivery:**

Rotary nozzle with sawn-off 90° pipe bend, clamping ring, dust sack with zipper, carrying belt and operating instructions

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

**Optional accessories:**

- Hole saw with ejection system complete D=106,5mm (prod. no. 4966)

**DDE: Drehdüse J-Jet 75>75 für Dämmstärke 160 bis 800 mm****Art. 8477**

Klick me! (Image similar)

English version in preparation: Entlüftete Drehdüse J-Jet 75>75 zum Einblasen von Wandkonstruktionen.

**Produktbeschreibung:**

Drehbares Düsenrohr d=60 zum Ausfüllen der Ecken. Schlauchanschluss NW75 (3") mit leicht drehbarem Kupplungsstück. Entlüftung über Lochblechkäfig aus Aluminium und Staubsack. Fixierung im Einblasloch mittels über Hebel verriegelbarem Vorreiber. Verstellbarer Flansch für unterschiedlich dicke Beplankungsmaterialien (0....75 mm)

**Anwendbarkeit bezüglich Dämmstärke:**

- >145 mm: optimal einsetzbar, fixierbar mit Vorreiber
- 120....160 mm: ohne Fixierung einsetzbar

Bohrungsdurchmesser für Fixierung: Ø 105..115mm

Abmessungen: ca. 360 mm x 105 mm (LxD)

Schlauchanschluss: NW75 (3")

Rohrdurchmesser: 60 mm (außen)

Gewicht: ca. 2,6 kg

**Optionales Zubehör:**

- Zylindersäge hartmetallbestückt D=105 mm (Art.-Nr. 4966)

**DDE: Clamping ring 106,5****Art. 2223**

Klick me! (Image similar)

Clamping ring for fixing the rotary nozzle into the drill hole (D= 106,5 mm) by using two tension levers. Suitable for rotary nozzles of type X-Jet 63 and X-Jet 75.

**Advantages:**

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process
- Combination of hose- and rotary nozzle blowing
- Optimized for injecting stud wall constructions and roof slopes

**Technical details:**

- Material: aluminium, levers made of galvanized steel
- Weight: approx. 0,8 kg
- Clamping range: 106,5-108 mm, extended clamping range 108-109 mm for oversized drill holes

**Scope of delivery:**

Clamping ring with each 6 fastening screws, washers, locknuts and installation instructions

**Optional accessories:**

- Hole saw with ejection system complete D=106,5mm (prod. no. 4966)
- Hole saw HF (wood fiber) D=106,5mm (prod. no. 5917)
- Hole Saw Pro D=106,5mm complete (prod. no. 6182)

**04 Nozzles and blowing accessories****DDE: Hole saw HF 106,5mm****Art. 5917**

Klick me! (Image similar)

Especially developed hole saw for drilling wood fiber insulation boards. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

## Advantages:

- Special cutting geometry
- Extremely thin cutting edge, perfect drilling result
- Drill core can be reused for closing the drill hole
- Resharpener with sharpening stone possible
- Short drilling times

## Technical details:

- Weight: approx. 0,5 kg
- Cutting depth: approx. 85 mm
- Drill hole: 106,5 mm
- Clamping spigot for drill chuck: 13 mm

## Scope of delivery:

Hole saw in plastic threaded box and operating instructions

Note: When drilling water-repellent material, the use of water-resistant sealant adhesive will be recommended.

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

+++ discount of 10% when purchasing 2 or more, discount of 15% when purchasing 5 or more +++

**DDE: Hole saw with ejection system complete D= 102 mm****Art. 7537**

Klick me! (Image similar)

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

## Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

## Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 102 mm with complete seating

## Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

## Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

**DDE: Hole saw with ejection system complete D= 106,5 mm****Art. 4966**

Klick me! (Image similar)

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

## Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

## Technical details:

- Material: hard metal
- Weight: approx. 0,7 kg
- Cutting depth: approx. 58 mm
- Diameter: 106,5 mm with complete seating

## Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft

**04 Nozzles and blowing accessories**

- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

**DDE: Hole saw with ejection system complete D= 120 mm****Art. 5282**

Klick me! (Image similar)

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 120 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

**DDE: Hole saw with ejection system complete D= 138 mm****Art. 7901**

Klick me! (Image similar)

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 138 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

**DDE: Hole saw with ejection system complete D= 160 mm****Art. 7538**

Klick me! (Image similar)

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material,

**04 Nozzles and blowing accessories**

plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 160 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

**DDE: Hole saw with ejection system complete D= 200 mm****Art. 7539**

Klick me! (Image similar)

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 200 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

**DDE: Hole saw with ejection system complete D= 225 mm****Art. 7540**

Klick me! (Image similar)

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 225 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

## Delivery list with illustrations

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### 04 Nozzles and blowing accessories

#### DDE: Hole saw with ejection system complete D= 250 mm

Art. 7541



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 250 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

#### DDE: Hole saw with ejection system complete D= 270 mm

Art. 7542



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 270 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

#### DDE: Hole saw with ejection system complete D= 330 mm

Art. 7543



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 330 mm with complete seating

**04 Nozzles and blowing accessories**

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

**DDE: Hole saw with ejection system complete D= 65 mm****Art. 5038**

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.



Klick me! (Image similiar)

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,5 kg
- Cutting depth: approx. 58 mm
- Diameter: 65 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

**DDE: Hole saw with ejection system complete D= 68 mm****Art. 8059**

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.



Klick me! (Image similiar)

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,5 kg
- Cutting depth: approx. 58 mm
- Diameter: 68 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

**DDE: Hole saw with ejection system complete D= 85,5 mm****Art. 4977**

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.



Klick me! (Image similiar)

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times

**04 Nozzles and blowing accessories**

- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

## Technical details:

- Material: hard metal
- Weight: approx. 0,7 kg
- Cutting depth: approx. 58 mm
- Diameter: 85,5 mm with complete seating

## Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

## Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

**DDE: Hole saw with ejection system complete D= 98 mm****Art. 7536**

Klick me! (Image similar)

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

## Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

## Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 98 mm with complete seating

## Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

## Optional accessories:

- HSS Drill bit for ejection system (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

**DDE: Hole saw with ejection system, complete D=52mm****Art. 8836**

Klick me! (Image similar)

Due to its unique shaft system, drill cores can easily be removed in seconds!

## Characteristics:

- Carbide tipped cylinder saw, D=52mm with complete drill spindle
- Drill holes suitable for injection hoses, rotary nozzles of type x-jet, j-jet, s-jet or e.g. exhaust pipes and others
- Cutting depth approx. 58mm
- Especially suited for wood, chip board, coated particle boards, hardboard, PVC, prepreg, plaster board, aerated concrete, clay tiles, ytong stone and many more
- Large tooth pitch enables an optimal chip removal even at maximum depth. Clogging or seizures of the carbide teeth is excluded.

## Notes:

- Unsuitable for percussion drilling
- Always tighten the three clamping surfaces of the shaft
- Only use with hand-feed and hand drills

## Options:

- Hole saw with ejection system: HSS/SDS drill (prod. no. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

**04 Nozzles and blowing accessories****DDE: Hole saw Pro D= 85 mm complete****Art. 7544**

Klick me! (Image similar)

Multipurpose hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

**Advantages:**

- Quick and easy removing of the drill core due to new chip space design
- Short drilling times
- In case of tooth break (chipping), replaceable
- No clogging or burning of the hard metal teeth
- Resharpenable
- Optimized for wood, chipboards (raw, veneered or coated), plywood, laminated paper, PVC, acryl, GFK, aerated concrete, Yton stones, plasterboard, clay tiles and hollow blocks, tiles up to scratch hardness 6. Suitable for drilling wood substitute materials as well.

**Technical details:**

- Material: hard metal
- Weight: approx. 0,6 kg
- Cutting depth: approx. 62 mm
- Diameter: 85 mm

**Note:**

- Recommended machine performance: 600-800 Watt
- To be used in machines with safety coupling and additional handle only
- To be inserted in a rotary movement, when drill hammer has been switched off
- Ensure a tight workpiece clamping
- Wearing protective clothing is recommended
- Impacts and shocks on the hard metal teeth can cause chipping in small areas and therefore may lead to power loss
- To not be tilted in the drill hole
- Remove the drill core after each drilling. In case of wood substitute materials, remove the bore dust.

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

**Optional accessories:**

- Hole Saw Pro: drilling bit Ø 7,2mm (prod. no. 6184)

**DDE: Hole saw Pro D= 85 mm complete T= 90 mm****Art. 7829**

Klick me! (Image similar)

Multipurpose hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

**Advantages:**

- Quick and easy removing of the drill core due to new chip space design
- Short drilling times
- In case of tooth break (chipping), replaceable
- No clogging or burning of the hard metal teeth
- Resharpenable
- Optimized for wood, chipboards (raw, veneered or coated), plywood, laminated paper, PVC, acryl, GFK, aerated concrete, Yton stones, plasterboard, clay tiles and hollow blocks, tiles up to scratch hardness 6. Suitable for drilling wood substitute materials as well.

**Technical details:**

- Material: hard metal
- Weight: approx. 1,0 kg
- Cutting depth: approx. 90 mm
- Diameter: 85 mm

**Note:**

- Recommended machine performance: 600-800 Watt
- To be used in machines with safety coupling and additional handle only
- To be inserted in a rotary movement, when drill hammer has been switched off
- Ensure a tight workpiece clamping
- Wearing protective clothing is recommended
- Impacts and shocks on the hard metal teeth can cause chipping in small areas and therefore may lead to power loss
- To not be tilted in the drill hole
- Remove the drill core after each drilling. In case of wood substitute materials, remove the bore dust.

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

**Optional accessories:**

- Hole Saw Pro: drilling bit Ø 7,2mm (prod. no. 6184)

**DDE: Hole saw Pro D= 106,5 mm complete****Art. 6182**

Klick me! (Image similar)

Multipurpose hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

**Advantages:**

- Quick and easy removing of the drill core due to new chip space design
- Short drilling times
- In case of tooth break (chipping), replaceable
- No clogging or burning of the hard metal teeth

**04 Nozzles and blowing accessories**

- Resharpenable
- Optimized for wood, chipboards (raw, veneered or coated), plywood, laminated paper, PVC, acryl, GFK, aerated concrete, Yton stones, plasterboard, clay tiles and hollow blocks, tiles up to scratch hardness 6. Suitable for drilling wood substitute materials as well.

## Technical details:

- Material: hard metal
- Weight: approx. 1,1 kg
- Cutting depth: approx. 65 mm
- Diameter: 106,5 mm

## Note:

- Recommended machine performance: 600-800 Watt
- To be used in machines with safety coupling and additional handle only
- To be inserted in a rotary movement, when drill hammer has been switched off
- Ensure a tight workpiece clamping
- Wearing protective clothing is recommended
- Impacts and shocks on the hard metal teeth can cause chipping in small areas and therefore may lead to power loss
- To not be tilted in the drill hole
- Remove the drill core after each drilling. In case of wood substitute materials, remove the bore dust.

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

## Optional accessories:

- Hole Saw Pro: drilling bit Ø 7,2mm (prod. no. 6184)
- Hole saw Pro D= 106,5: SDS-mounting support (prod. no. 6204)

**DDE: Hole saw Pro D= 106,5 mm complete****Art. 7816**

Klick me! (Image similiar)

Multipurpose hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

## Advantages:

- Quick and easy removing of the drill core due to new chip space design
- Short drilling times
- In case of tooth break (chipping), replaceable
- No clogging or burning of the hard metal teeth
- Resharpenable
- Optimized for wood, chipboards (raw, veneered or coated), plywood, laminated paper, PVC, acryl, GFK, aerated concrete, Yton stones, plasterboard, clay tiles and hollow blocks, tiles up to scratch hardness 6. Suitable for drilling wood substitute materials as well.

## Technical details:

- Material: hard metal
- Weight: approx. 1,1 kg
- Cutting depth: approx. 65 mm
- Diameter: 106,5 mm

## Note:

- Recommended machine performance: 600-800 Watt
- To be used in machines with safety coupling and additional handle only
- To be inserted in a rotary movement, when drill hammer has been switched off
- Ensure a tight workpiece clamping
- Wearing protective clothing is recommended
- Impacts and shocks on the hard metal teeth can cause chipping in small areas and therefore may lead to power loss
- To not be tilted in the drill hole
- Remove the drill core after each drilling. In case of wood substitute materials, remove the bore dust.

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

**DDE: Hole saw Pro HF D= 85mm / T= 75mm complete****Art. 3716**

Klick me! (Image similiar)

Cylinder saw for drilling injection holes. Suitable for drillings fit for injection hoses and rotary nozzles.

## Advantages:

- Quick and easy removing of the drill core
- Short drilling times
- Optimized for wood fiber panels

## Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 75 mm
- Diameter: 85 mm

## Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)

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**04 Nozzles and blowing accessories****DDE: Hole saw Pro HF D= 120mm / T= 75mm complete****Art. 4026**

Klick me! (Image similar)

Cylinder saw for drilling injection holes. Suitable for drillings fit for injection hoses and rotary nozzles.

## Advantages:

- Quick and easy removing of the drill core
- Short drilling times
- Optimized for wood fiber panels

## Technical details:

- Material: hard metal
- Weight: approx. 1,1 kg
- Cutting depth: approx. 75 mm
- Diameter: 120 mm

## Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)**DDE: Dust bag with connection up to D=50 mm****Art. 1543**

Klick me! (Image similar)

Dust bag for passive ventilation of rotary nozzles, injection lances and wall studs.

## Technical details:

- Material: cotton, with zipper
- Weight: approx. 0,1 kg
- Hose connection: 35-51 mm

+++ discount of 10% when purchasing 3 or more pieces +++

+++ discount of 15% when purchasing 5 or more pieces +++

**DDE: Dust bag with connection up to D=76 mm****Art. 3445**

Klick me! (Image similar)

Dust bag for passive ventilation of rotary nozzles, injection lances and wall studs.

## Technical details:

- Material: cotton, with zipper
- Weight: approx. 0,1 kg
- Hose connection: 50-76 mm

+++ discount of 10% when purchasing 3 or more pieces +++

+++ discount of 15% when purchasing 5 or more pieces +++

**Injection bezel****Art. 2911**

Klick me! (Image similar)

Injection bezel with three-layer plastic rosette for dust-tight insertion of injection hoses NW50-NW75 (2"-3").

## Advantages:

- Easy injection into wall- and roof constructions with vapour barrier-and air sealing membranes
- Quick change of the injection position by fixing the bezel behind the battens
- Adjustable stop rail (for batten thickness 8-50 mm) prevents pressing in and damaging the sealing membranes
- Flexible three-layer plastic rosette enables an insertion of hose sizes from NW50 (2") up to NW75 (3")

## Technical details:

- Dimensions: 469 x 199 x 34 (L x W x H)
- Material: aluminium, plastic
- Weight: approx. 0,85 kg

For a more detailed description: see flyer or visit [www.x-floc.com](http://www.x-floc.com)**Injection nozzle NW38>14 AV (with shut-off valve)****Art. 8835**

Klick me! (Image similar)

Injection nozzle with shut-off valve for injecting and repressing fiber- and core insulation materials, cellulose insulation material, EPS granules, expanded mineral stone, cellular glass and similar.

## Technical details:

- Dimensions pipe: 14 x 220 (D x L)
- Material: steel, stainless steel
- Weight: approx. 0,45 kg
- Hose connection: NW38 (1,5")
- Required diameter: >14 mm
- Valve: ball valve

**Injection nozzle NW38>18 AV (with shut-off valve / 45° outlet)****Art. 6377**

Klick me! (Image similar)

Injection nozzle with shut-off valve for injecting and repressing fiber- and core insulation materials, cellulose insulation material, EPS granules, expanded mineral stone, cellular glass and similar.

## Technical details:

- Dimensions pipe: 18 x 300 (D x L)
- Material: steel, stainless steel
- Weight: approx. 0,45 kg
- Hose connection: NW38 (1,5")

**04 Nozzles and blowing accessories**

- Angle insert: 45°
- Required diameter: 19 mm
- Valve: ball valve

**Injection nozzle NW38>18 AV (with shut-off valve)****Art. 5710**

Klick me! (Image similar)

Injection nozzle with shut-off valve for injecting and repressing fiber- and core insulation materials, cellulose insulation material, EPS granules, expanded mineral stone, cellular glass and similar.

Technical details:

- Dimensions pipe: 18 x 220 (D x L)
- Material: steel, stainless steel
- Weight: approx. 0,45 kg
- Hose connection: NW38 (1,5")
- Required diameter: 19 mm
- Valve: ball valve

**Injection nozzle NW50>15****Art. 3637**

Klick me! (Image similar)

Injection nozzle for injecting and repressing core insulation materials.

Technical details:

- Diameter outer/inner: 15/13 mm
- Insertion length: approx. 175 mm
- Material: steel, powder-coated
- Weight: approx. 0,3 kg
- Hose connection: D=50 mm
- Required bore hole: >15 mm

**Injection nozzle NW50>20****Art. 2688**

Klick me! (Image similar)

Injection nozzle for injecting and repressing core insulation materials. (Hose reduction from NW50 to NW20)

Technical details:

- Diameter outer/inner: 20/17 mm
- Insertion length: approx. 185 mm
- Material: steel, powder-coated
- Weight: approx. 0,3 kg
- Hose connection: D=50 mm
- Required bore hole: >20 mm

**Injection nozzle NW50>21 AV-WE (with shut-off valve, interchangeable insert pipe NW21, 45° outlet)****Art. 6201**

Klick me! (Image similar)

Rigid injection nozzle with shut-off valve for injecting and repressing loose insulation materials.

Advantages:

- Interchangeable nozzle pipe via wing screw
- In case of large insertion depths, extra long pipes can be inserted

Technical details:

- Outer diameter: 21,3 mm
- Insertion length: approx. 250 mm (other lengths on request)
- Material: steel, stainless steel
- Weight: approx. 0,4 kg
- Hose connection: NW50 (2")
- Required bore hole: >21,5 mm
- Valve: ball valve

Options:

- Injection nozzle NW50>21 WE: Pipe NW21 straight (prod. no. 5104)

**Injection nozzle NW50>21 AV-WE (with shut-off valve, interchangeable insert pipe NW21, straight outlet)****Art. 5998**

Klick me! (Image similar)

Rigid injection nozzle with shut-off valve for injecting and repressing loose insulation materials.

Advantages:

- Interchangeable nozzle pipe via wing screw
- In case of large insertion depths, extra long pipes can be inserted

Technical details:

- Outer diameter: 21,3 mm
- Insertion length: approx. 120 mm (other lengths on request)
- Material: steel, stainless steel
- Weight: approx. 0,4 kg
- Hose connection: NW50 (2")
- Required bore hole: >21,5 mm
- Valve: ball valve

Options:

- Injection nozzle NW50>21 WE: Pipe NW21 / 45° outlet (prod. no. 6018)

**04 Nozzles and blowing accessories****[Injection nozzle NW50>21 WE \(with interchangeable insert pipe NW21, 45° outlet\)](#)****Art. 6017**

Klick me! (Image similar)

Rigid injection nozzle for injecting and repressing loose insulation materials.

## Advantages:

- Interchangeable nozzle pipe via wing screw
- In case of large insertion depths, extra long pipes can be inserted
- A lateral deflection of the material flow (45° outlet) enables a larger spreading and distribution of the material

## Technical details:

- Outer diameter: 21,3 mm
- Insertion length: approx. 250 mm (other lengths on request)
- Material: steel, stainless steel
- Weight: approx. 0,5 kg
- Hose connection: NW50 (2")
- Required bore hole: >21,5 mm

## Options:

- Injection nozzle NW50>21 WE: Pipe NW21 straight (prod. no. 5104)

**[Injection nozzle NW50>21 WE \(with interchangeable insert pipe NW21, straight outlet\)](#)****Art. 4959**

Klick me! (Image similar)

Rigid injection nozzle for injecting and repressing loose insulation materials.

## Advantages:

- Interchangeable nozzle pipe via wing screw
- In case of large insertion depths, extra long pipes can be inserted

## Technical details:

- Outer diameter: 21,3 mm
- Insertion length: approx. 250 mm (other lengths on request)
- Material: steel, stainless steel
- Weight: approx. 0,4 kg
- Hose connection: NW50 (2")
- Required bore hole: >21,5 mm

## Options:

- Injection nozzle NW50>21 WE: Pipe NW21 / 45° outlet (prod. no. 6018)

**[Injection nozzle NW50>24](#)****Art. 3961**

Klick me! (Image similar)

Injection nozzle for injecting and repressing loose insulation materials.  
(Hose reduction from NW50 to NW24)

## Technical details:

- Diameter inner/outer: 21/24 mm
- Insertion length: approx. 175 mm
- Material: steel, powder coated
- Weight: approx. 0,3 kg
- Hose connection: D=50 mm
- Required bore hole: >24 mm

**[Injection nozzle NW50>24 AV \(with shut-off valve\)](#)****Art. 5692**

Klick me! (Image similar)

Injection nozzle with shut-off valve for injecting and repressing fiber- and core insulation materials, cellulose insulation material, EPS granules, expanded mineral stone, cellular glass and similar.

## Technical details:

- Dimensions pipe: 24 x 200 (D x L)
- Material: steel, stainless steel
- Weight: approx. 0,7 kg
- Hose connection: NW50 (2")
- Required diameter: approx. 25 mm
- Valve: ball valve

**[Injection nozzle NW50>24 AV \(with shut-off valve, 45° outlet, wear-resistant\)](#)****Art. 6415**

Klick me! (Image similar)

Injection nozzle with shut-off valve for injecting and repressing fiber- and core insulation materials, cellulose insulation material, EPS granules, expanded mineral stone, cellular glass and similar.

## Technical details:

- Dimensions pipe: 24 x 200 (D x L)
- Pipe outlet with 45° insert, wear-resistant, enables lateral deflection of the material flow
- Material: steel, stainless steel
- Weight: approx. 0,7 kg
- Hose connection: NW50 (2")
- Required diameter: approx. 25 mm
- Valve: ball valve

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**04 Nozzles and blowing accessories****[Injection nozzle NW50>29](#)****Art. 4037**

Klick me! (Image similar)

Injection nozzle for injecting and repressing loose insulation materials.  
(Hose reduction from NW50 to NW29)

Technical details:

- Diameter inner/outer: 26/29 mm
- Insertion length: approx. 185 mm
- Material: steel, powder coated
- Weight: approx. 0,3 kg
- Hose connection: D=50 mm
- Required bore hole: >29 mm

**[Injection nozzle NW50>50 \(45° outlet, wear-resistant\)](#)****Art. 6889**

Klick me! (Image similar)

Injection nozzle for injecting and repressing fiber- and core insulation materials, cellulose insulation material, EPS granules, expanded mineral stone, cellular glass and similar.

Technical details:

- Dimensions pipe: 47 x 250 (D x L)
- Pipe outlet with 45° insert, wear-resistant, enables lateral deflection of the material flow
- Material: steel, stainless steel
- Weight: approx. 0,7 kg
- Hose connection: NW50 (2")
- Required diameter: from 50 mm

**[Injection nozzle NW50>oval](#)****Art. 1737**

Klick me! (Image similar)

Injection nozzle for injecting and repressing bulk materials.

Technical details:

- Pipe length: 250 mm
- Pipe outlet: oval, approx. 75 x 14 mm (other dimensions available on request)
- Material: VA (stainless steel)
- Weight: approx. 0,4 kg
- Hose connection: NW50 (2")

**[Injection nozzle, angled NW50>20](#)****Art. 2826**

Klick me! (Image similar)

Injection nozzle for injecting and repressing bulk materials.  
(e.g. SLS20, Rigibead, Thermofill S, Styropor, etc.)

Technical details:

- Diameter inner/outer: 17/20 mm
- Insertion length: approx. 165 mm
- Pipe outlet: angled
- Material: steel, powder-coated
- Weight: approx. 0,4 kg
- Hose connection: D=50 mm
- Required drill hole: >20 mm

**[Injection nozzle, angled NW50>29](#)****Art. 571**

Klick me! (Image similar)

Injection nozzle for injecting and repressing cellulose insulation materials or bulk materials.

Technical details:

- Diameter inner/outer: 26/29 mm
- Insertion length: approx. 170 mm
- Pipe outlet: angled
- Material: steel, powder-coated
- Weight: approx. 0,4 kg
- Hose connection: D=50 mm
- Required drill hole: >29 mm

**[Injection nozzle, angled NW50>50](#)****Art. 300**

Klick me! (Image similar)

Injection nozzle for injecting and repressing insulation materials.

Technical details:

- Outer diameter: 50 mm
- Insertion length: approx. 250 mm
- Pipe outlet: angled
- Weight: approx. 0,4 kg
- Hose connection: NW50 (2")
- Required drill hole: from 50 mm

**[Injection nozzle, angled NW63>63, 90° sawn off](#)****Art. 5670**

Klick me! (Image similar)

Injection nozzle for injecting and repressing insulation materials.

Technical details:

- Diameter inner/outer: approx. 60/63 mm
- Insertion length: approx. 300 mm
- Pipe outlet: angled, 90° sawn off
- Weight: approx. 0,6 kg
- Hose connection: NW63 (2,5")
- Required drill hole: from approx. 63 mm

**04 Nozzles and blowing accessories****Injection lance NW75, telescope-****Art. 4626**

Klick me! (Image similar)

Ventilated telescope injection lance for the filling of lying or slightly inclined wall- and roof elements

**Advantages:**

- The expendable telescope injection lance enables a filling of very long elements
- Wide selection of lengths
- Easy to operate
- Enables an uniform distribution and compression of the insulation material
- Active/passive ventilation

**Technical details:**

- Useful lengths: 2000...11700mm
- The desired length needs to be specified when ordering
- Outer pipe made of PE black, D=75
- Inner pipe made of aluminium, 50x1,5 (if required, optionally available as made of stainless steel)
- Ventilation connection for an active (vacuum station) or passive (dust bag) ventilation

**Scope of delivery:**

- Injection lance
- Dust bag
- Operating instructions

**Optional accessories:**

- VS: Amplifier-/vacuum station VS28 complete set 115 l (prod. no. 2886)
- VS: Amplifier-/vacuum station VS28 complete set 250 l (prod. no. 5017)
- VS: Amplifier-/vacuum station VS33 complete set 115 l (prod. no. 5939)
- VS: Amplifier-/vacuum station VS33 complete set 250 l (prod. no. 5940)
- DDE: Hole saw with ejection system complete D=85,5mm (prod. no. 4977)
- Reducer tube connector NW 75>50 (aluminium) (prod. no. 1262)

**Injection lance round, D=75mm****Art. 2675**

Klick me! (Image similar)

Ventilated injection lance for the filling of lying or slightly inclined wall- and roof elements

**Advantages:**

- Wide selection of lengths
- Easy to operate
- Enables an uniform distribution and compression of the insulation material
- Active/passive ventilation

**Technical details:**

- Useful lengths: 2500 / 2800 / 3200 / 3500 / 3800 / 4700 / 5550 (all figures in mm)
- Overall lengths: 2950 / 3250 / 3650 / 3950 / 4250 / 5150 / 6000 (all figures in mm) The desired length needs to be specified when ordering.
- Outer pipe made of PE black, D=75
- Inner pipe made of aluminium, 50x1,5 (if required, optionally available as made of stainless steel)
- Ventilation connection for an active (vacuum station) or passive (dust bag) ventilation

**Scope of delivery:**

- Injection lance
- Dust bag
- Operating instructions

**Optional accessories:**

- VS: Amplifier-/vacuum station VS28 complete set 115 l (prod. no. 2886)
- VS: Amplifier-/vacuum station VS28 complete set 250 l (prod. no. 5017)
- VS: Amplifier-/vacuum station VS33 complete set 115 l (prod. no. 5939)
- VS: Amplifier-/vacuum station VS33 complete set 250 l (prod. no. 5940)
- DDE: Hole saw with ejection system complete D=85,5mm (prod. no. 4977)
- Reducer tube connector NW 75>50 (aluminium) (prod. no. 1262)

**Alternative article:**

- Injection lance NW75, Telescope- (prod. no. 4626)

**Injection lance round, D=90mm****Art. 3740**

Klick me! (Image similar)

Ventilated injection lance for the filling of lying or slightly inclined wall- and roof elements

**Advantages:**

- Wide selection of lengths
- Easy to operate
- Enables an uniform distribution and compression of the insulation material
- Active/passive ventilation

**Technical details:**

- Standard length: 3000mm
- Overall length: 3300 mm
- The desired length needs to be specified when ordering
- Outer pipe made of PE black, D=90
- Inner pipe made of aluminium, 63,5x1,5 (if required, optionally available as made of stainless steel)
- Ventilation connection for an active (vacuum station) or passive (dust bag) ventilation

**04 Nozzles and blowing accessories**

Scope of delivery:

- Injection lance
- Dust bag
- Operating instructions

Optional accessories:

- VS: Amplifier-/vacuum station VS28 complete set 115 l (prod. no. 2886)
- VS: Amplifier-/vacuum station VS28 complete set 250 l (prod. no. 5017)
- VS: Amplifier-/vacuum station VS33 complete set 115 l (prod. no. 5939)
- VS: Amplifier-/vacuum station VS33 complete set 250 l (prod. no. 5940)
- DDE: Hole saw with ejection system complete D=102mm (prod. no. 7537)
- Reducer tube connector NW90>75 (aluminium) (prod. no. 1971)

**Insulating needle NW38-90****Art. 5304**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc, as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection for NW38 hose

Material: Aluminium

Length: approx. 90cm

Hard planked cavities: for insulation thicknesses from approx. 70mm with an injection hole of approx. Ø106.5mm, or for thicknesses from approx. 80mm with an injection hole of approx. Ø120mm

Optional accessories:

- Insulating needle: connection set NW63>38 (product no. 6104)

More products:

Curved needles

- NW50-80 (product no. 6180) | NW50-130 (product no. 5303)
- NW50-184 (product no. 5153) | NW63-124 (product no. 5836)
- NW63 -184 (product no. 6390) | NW75 -180 (product no. 6711)
- NW75-120 (product no. 6710)

Straight needles (L= up to 6m)

NW38-straight (product no. 6028) | NW50-straight (product no. 5730)

NW63-straight (product no. 5839) | NW75-straight (product no. 5840)

**Insulating needle, straight NW38****Art. 6028**

Klick me! (Image similar)

Straight insulating needle with slantwise outlet for blowing lying elements. Enables a pinpoint insertion and repressing of the insulation material. A special shaped top with continuous tagging attracts the material current.

Hose connection and diameter: NW38

Material: stainless steel

Length: up to 6000mm (please state when ordering)

Required blow-in opening: >Ø=38mm

(Price applies to all blowing needles with a length up to a maximum 3m; more special lengths (max. 6m) are to be calculated as follows: price divided through 3 x the desired length in meters.)

Optional Accessories:

- Insulating needle: connection set NW63>38 (prod. no. 6104)

Similar articles:

Insulating needles, bent

- NW38-90 (prod. no. 5304) | NW50-80 (prod. no. 6180)
- NW50-144 (prod. no. 5303) | NW50-184 (prod. no. 5153)
- NW63-124 (prod. no. 5836) | NW63 -184 (prod. no. 6390)
- NW75-120 (prod. no. 6710) | NW75 -180 (prod. no. 6711)

Insulating needles, straight (L=up to 6 m)

NW50-straight (prod. no. 5730) | NW63-gerade (prod. no. 5839)

NW75-straight (prod. no. 5840)

**Insulating needle NW50-130****Art. 5303**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc, as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection for NW50 hose

Material: Aluminium

Length: approx. 130cm

Hard boarded cavities: for insulation thicknesses from approx. 200mm with an injection hole of approx. Ø120mm

Optional accessories:

- Connecting set for Insulating needle NW63>50 (product no. 6206)
- Connecting set for Insulating needle NW75>50 (product no. 6103)

**04 Nozzles and blowing accessories**

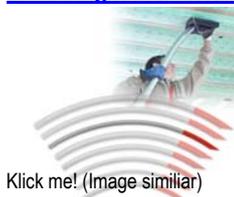
More products:

Curved needles

- NW38-90 (product no. 5304) | NW50-80 (product no. 6180)
- NW50-184 (product no. 5153) | NW63-124 (product no. 5836)
- NW63 -184 (product no. 6390) | NW75 -180 (product no. 6711)
- NW75-120 (product no. 6710)

Straight needles (L= up to 6m)

- NW38-straight (product no. 6028) | NW50-straight (product no. 5730)
- NW63-straight (product no. 5839) | NW75-straight (product no. 5840)

**Insulating needle NW50-184****Art. 5153**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc, as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection for NW50 hose

Material: Aluminium

Length: approx. 184cm

Hard boarded cavities: for insulation thicknesses from approx. 200mm with an injection hole of approx. Ø120mm

Optional accessories:

- Connecting set for Insulating needle NW63>50 (product no. 6206)
- Connecting set for Insulating needle NW75>50 (product no. 6103)

More products:

Curved needles

- NW38-90 (product no. 5304) | NW50-80 (product no. 6180)
- NW50-130 (product no. 5303) | NW63-124 (product no. 5836)
- NW63 -184 (product no. 6390) | NW75 -180 (product no. 6711)
- NW75-120 (product no. 6710)

Straight needles (L= up to 6m)

- NW38-straight (product no. 6028) | NW50-straight (product no. 5730)
- NW63-straight (product no. 5839) | NW75-straight (product no. 5840)

**Insulating needle NW50-80****Art. 6180**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc, as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection for NW50 hose

Material: Aluminium

Length: approx. 80cm

Hard boarded cavities: for insulation thicknesses from approx. 100mm

Optional accessories:

- Connecting set for Insulating needle NW63>50 (product no. 6206)
- Connecting set for Insulating needle NW75>50 (product no. 6103)

More products:

Curved needles

- NW38-90 (product no. 5304) | NW50-80 (product no. 6180)
- NW50-130 (product no. 5303) | NW50-184 (product no. 5153)
- NW63-124 (product no. 5836) | NW63 -184 (product no. 6390)
- NW75 -180 (product no. 6711) | NW75-120 (product no. 6710)

Straight needles (L= up to 6m)

- NW38-straight (product no. 6028) | NW50-straight (product no. 5730)
- NW63-straight (product no. 5839) | NW75-straight (product no. 5840)

**Insulating needle, straight NW50****Art. 5730**

Klick me! (Image similar)

Straight insulating needle with slantwise outlet for blowing lying elements. Enables a pinpoint insertion and repressing of the insulation material. A special shaped top with continuous tagging attracts the material current.

Hose connection and diameter: NW50

Material: Aluminium

Weight: approx. 0,6kg/m

Length: up to 6000mm (please state when ordering)

Required blow-in opening: &gt;Ø=50mm

(Price applies to all blowing needles with a length up to a maximum 3m; more special lengths (max. 6m) are to be calculated as follows: price divided through 3 x the desired length in metres.)

Optional accessories:

- Insulating needle: connection set NW75>50 (prod. no. 6103)
- Insulating needle: connection set NW63>50 (prod. no. 6206)

More products:

**04 Nozzles and blowing accessories**

Curved insulating needles  
 - NW38-90 (prod. no. 5304) | NW50-80 (prod. no. 6180)  
 - NW50-144 (prod. no. 5303) | NW50-184 (prod. no. 5153)  
 - NW63-124 (prod. no. 5836) | NW63-184 (prod. no. 6390)  
 - NW75-180 (prod. no. 6711) | NW75-120 (prod. no. 6710)

Straight insulating needles (L= up to 6m)  
 NW38-straight (prod. no. 6028) | NW63-straight (prod. no. 5839)  
 NW75-straight (prod. no. 5840)

**Insulating needle NW63-124****Art. 5836**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc, as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection for NW63 hose

Material: Aluminium

Length: approx. 124cm

Hard boarded cavities: for insulation thicknesses from approx. 200mm with an injection hole of approx. Ø120mm

Optional accessories:

- Connecting set for Insulating needle NW75>63 (product no. 6124)

More products:

Curved needles

- NW38-90 (product no. 5304) | NW50-80 (product no. 6180)  
 - NW50-144 (product no. 5303) | NW50-184 (product no. 5153)  
 - NW63-184 (product no. 6390) | NW75-180 (product no. 6711)  
 - NW75-120 (product no. 6710)

Straight needles (L= up to 6m)

NW38-straight (product no. 6028) | NW50-straight (product no. 5730)

NW63-straight (product no. 5839) | NW75-straight (product no. 5840)

**Insulation needle NW63-184****Art. 6390**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc, as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection for NW63 hose

Material: Aluminium

Length: approx. 184cm

Hard planked cavities: for insulation thicknesses from approx. 240mm with an injection hole of approx. Ø120mm

Optional accessories:

-Connecting set for Insulating needle NW75>63 (product no. 6124)

More products:

Curved needles

- NW50-80 (product no. 6180) | NW50-130 (product no. 5303)  
 - NW50-184 (product no. 5153) | NW63-124 (product no. 5836)  
 - NW38-90 (product no. 5304) | NW75-180 (product no. 6711)  
 - NW75-120 (product no. 6710)

Straight needles (L= up to 6m)

NW38-straight (product no. 6028) | NW50-straight (product no. 5730)

NW63-straight (product no. 5839) | NW75-straight (product no. 5840)

**Insulating needle, straight NW63****Art. 5839**

Klick me! (Image similar)

Straight insulating needle with slanting outlet for blowing lying elements. Enables a pinpoint insertion and repressing of the insulation material. A special shaped top with continuous tagging directs the material current.

Hose connector and diameter: NW63

Material: Aluminium

Weight: approx. 0,9kg/m

Length: standard length L=3000mm  
 (up to 6000mm, request when ordering)

Required blow-in opening: >Ø=63mm

(Price applies to all insulating needles with a length of up to 3m max, more special lengths (max. 6m) are to be calculated as follows: price divided through 3 x the desired length in metres (max. 6m))

Optional Accessories:

- Insulating needle: connector set NW75>63 (prod. no. 6124)

More products:

Curved needles

- NW50-80 (product no. 6180) | NW50-144 (product no. 5303)  
 - NW50-184 (product no. 5153) | NW63-124 (product no. 5836)

**04 Nozzles and blowing accessories**

- NW63 -184 (product no. 6390) | NW75 -180 (product no. 6711)
- NW75-120 (product no. 6710) | NW38-90 (Art.-Nr. 5304)

Straight needles (L= up to 6m)  
 NW38-straight (product no. 6028) | NW50-straight (product no. 5730)  
 NW75-straight (product no. 5840)

**Insufflation needle NW75-130****Art. 6710**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc, as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection for NW75 hose

Material: Aluminium

Length: approx. 120cm

Hard planked cavities: for insulation thicknesses from approx. 240mm with an injection hole of approx. Ø120mm

Optional accessories:

- Connecting set for Insulating needle NW75>50 (product no. 6103)
- Connecting set for Insulating needle NW75>63 (product no. 6124)

More products:

Curved needles

- NW50-80 (product no. 6180) | NW50-130 (product no. 5303)
- NW50-184 (product no. 5153) | NW63-124 (product no. 5836)
- NW63 -184 (product no. 6390) | NW75 -180 (product no. 6711)
- NW38-90 (product no. 5304)

Straight needles (L= up to 6m)

NW38-straight (product no. 6028) | NW50-straight (product no. 5730)

NW63-straight (product no. 5839) | NW75-straight (product no. 5840)

**Insufflation needle NW75-180****Art. 6711**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc, as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection for NW75 hose

Material: Aluminium

Length: approx. 180cm

Hard planked cavities: for insulation thicknesses from approx. 240mm with an injection hole of approx. Ø150mm

Optional accessories:

- Connecting set for Insulating needle NW75>50 (product no. 6103)
- Connecting set for Insulating needle NW75>63 (product no. 6124)

More products:

Curved needles

- NW50-80 (product no. 6180) | NW50-130 (product no. 5303)
- NW50-184 (product no. 5153) | NW63-124 (product no. 5836)
- NW63 -184 (product no. 6390) | NW38 -90 (product no. 5304)
- NW75-120 (product no. 6710)

Straight needles (L= up to 6m)

NW38-straight (product no. 6028) | NW50-straight (product no. 5730)

NW63-straight (product no. 5839) | NW75-straight (product no. 5840)

**Insulating needle NW75-straight****Art. 5840**

Klick me! (Image similar)

Straight insulating needle with slanting outlet for blowing lying elements. Enables a pinpoint insertion and repressing of the insulation material. A special shaped top with continuous tagging directs the material current.

Hose connector and diameter: NW75

Material: Aluminium

Length: up to 6000mm (request when ordering)

Required blow-in opening: >Ø=76mm

(Price applies to all insulating needles with a length of up to 3m max; more special lengths (max. 6m) are to be calculated as follows: price divided through 3 x the desired length in metres.)

Optional Accessories:

- Insulating needle: connector set NW75>50 (prod. no. 6103)
- Insulating needle: connector set NW75>63 (prod. no. 6124)

Similar articles:

Insulating needle, bent

- NW38-90 (prod. no. 5304) | NW50-80 (prod. no. 6180)
- NW50-144 (prod. no. 5303) | NW50-184 (prod. no. 5153)
- NW63-124 (prod. no. 5836) | NW63 -184 (prod. no. 6390)
- NW75-120 (prod. no. 6710) | NW75 -180 (prod. no. 6711)

**04 Nozzles and blowing accessories**

Insulating needle, straight (L=up to 6m)  
 NW38-straight (prod. no. 6028) | NW50-straight (prod. no. 5730)  
 NW63-straight (prod. no. 5839)

**Insulating needle NW75-straight****Art. 8179**

Straight insulating needle with slanting outlet for blowing lying elements. Enables a pinpoint insertion and repressing of the insulation material. A special shaped top with continuous tagging directs the material current.



Klick me! (Image similar)

Hose connector and diameter: NW75  
 Material: Aluminium  
 Length: up to 6000mm (request when ordering)  
 Required blow-in opening: >Ø=76mm

(Price applies to all insulating needles with a length of up to 3m max; more special lengths (max. 6m) are to be calculated as follows: price divided through 3 x the desired length in metres.)

Optional Accessories:

- Insulating needle: connector set NW75>50 (prod. no. 6103)
- Insulating needle: connector set NW75>63 (prod. no. 6124)

Similar articles:

- Insulating needle, bent
- NW38-90 (prod. no. 5304) | NW50-80 (prod. no. 6180)
  - NW50-144 (prod. no. 5303) | NW50-184 (prod. no. 5153)
  - NW63-124 (prod. no. 5836) | NW63 -184 (prod. no. 6390)
  - NW75-120 (prod. no. 6710) | NW75 -180 (prod. no. 6711)

Insulating needle, straight (L=up to 6m)  
 NW38-straight (prod. no. 6028) | NW50-straight (prod. no. 5730)  
 NW63-straight (prod. no. 5839)

**Insulating needle: connection set NW63>38****Art. 6104**

Klick me! (Image similar)

Connection set, consisting of

- Conveyor hose NW38 (1 1/2"), L = approx. 4m (prod. no. 414)
- Reducer tube connector NW63>38 (prod. no. 1970)
- Hose clamps NW38 (1 1/2"), 2 pieces (prod. no. 512)
- Sealing sponge NW38/50 (prod. no. 6336)

**Insulating needle: connection set NW63>50****Art. 6206**

Klick me! (Image similar)

Connection set, consisting of:

- 1x Conveying hose NW50, L = approx. 4m (prod. no. 329)
- 1x Reducer tube connector NW63>50 (prod. no. 1264)
- 2x Hose clamps NW50 (prod. no. 175)
- 1x Sealing sponge NW50/63 (prod. no. 7100)

**Insulating needle: Connection-set NW75>50****Art. 6103**

Klick me! (Image similar)

Connection set, consisting of:

- 1x Conveying hose NW50, L = approx. 4m (prod. no. 329)
- 1x Reducer tube connector NW75>50 (prod. no. 1262)
- 2x Hose clamps NW50 (prod. no. 175)
- 1x Sealing sponge NW50/63 (prod. no. 7100)

**Insulating needle: connection set NW75>63****Art. 6124**

Klick me! (Image similar)

Connection set, consisting of:

- 1x Conveying hose NW63, L = approx. 4m (prod. no. 573)
- 1x Reducer tube connector NW75>63 (prod. no. 1261)
- 2x Hose clamps NW63 (prod. no. 176)
- 1x Sealing sponge NW50/63 (prod. no. 7100)

**Ventilated Clamp NW75 /D106,5mm with perforated metal cage****Art. 8422**

Klick me! (Image similar)

Ventilation clamp with perforated sheet metal cage for passive or active ventilation of building elements, consisting of:

- Ventilation cage D= approx. 75mm, total length approx. 85mm
- Clamp suitable for drill holes 106,5...108mm
- Hose connector / venting nozzle NW75 / 3"

Recommended accessories:

- DDE: Hole Saw Pro D=106,5mm: drilling bit (Prod. no. 6184)
- Sealing corks VK106 (Prod. no. 1948)

**04 Nozzles and blowing accessories**

- DDE: Dust suck with connection up to D=76 mm (Prod. no. 3445)

**Clamping connector 75 106****Art. 2462**

Klick me! (Image similar)

Dust free system for securing an injection hose to a drill hole (D=106,5 mm). The injection hose is clamped by pressing a rubber profile into the drill hole walls. It can therefore be used in all materials and from a minimum wall thickness of approx. 10mm and a drill hole diameter of between 106.8 and 108 mm.  
Required cylinder saw: D=106.5 mm

**Detachable tubing port 10 - 35mm panel thickness****Art. 6737**

Klick me! (Image similar)

The clamping mechanism and locking latch enables the practical detachable tubing port to be fastened onto drill. The flexible sealing and multi-layered rubber rosette facilitates self-sealing against the structure element.

## Technical Details/Features:

- Usable for a panel thickness of up to approx. 35mm
- Required drill hole: D = 106,5mm – 120mm
- Usable for hose sizes NW50 / NW63 / NW75 / NW90 (2" / 2½" / 3" / 3½")
- Triple layered rubber rosette for sealing the detachable tubing port
- Flexible sealing for avoiding dust emissions from the blowing port
- Ergonomic locking latch for easy opening and unlocking / useful for single-handed operation
- Powder and electrogalvanized coating offer rust protection
- Drill hole sealing sponge for NW50/63

## Options:

- DDE: Hole saw with release system complete Diameter=106,55mm (prod. no. 4966)
- DDE: Hole saw professional Diameter=106,55mm (prod. no. 6182)
- DDE: Hole saw professional Diameter=120mm (prod. no. 1869)
- DDE: Hole saw with release system complete Diameter=120mm (prod. no. 5282)
- Sealing sponge with a large clearance hole (on request)
- Extended L-shaped hook with a paneling thickness up to 80mm (prod. no. 7006)

**Detachable tubing port 30 - 80mm panel thickness****Art. 7006**

Klick me! (Image similar)

The clamping mechanism and locking latch enables the practical detachable tubing port to be fastened onto drill. The flexible sealing and multi-layered rubber rosette facilitates self-sealing against the structure element.

## Technical Details/Features:

- Usable for a panel thickness of up to approx. 80mm
- Required drill hole: D = 106,5mm – 120mm
- Usable for hose sizes NW50 / NW63 / NW75 / NW90 (2" / 2½" / 3" / 3½")
- Triple layered rubber rosette for sealing the detachable tubing port
- Flexible sealing for avoiding dust emissions from the blowing port
- Ergonomic locking latch for easy opening and unlocking / useful for single-handed operation
- Powder and electrogalvanized coating offer rust protection

## Options:

- DDE: Hole saw with release system complete Diameter=106,55mm (prod. no. 4966)
- DDE: Hole saw professional Diameter=106,55mm (prod. no. 6182)
- DDE: Hole saw professional Diameter=120mm (prod. no. 1869)
- DDE: Hole saw with release system complete Diameter=120mm (prod. no. 5282)
- Sealing sponge with a large clearance hole (on request)

**Sealing cork VK106****Art. 1948**

Klick me! (Image similar)

Sealing cork for closing injection holes.

## Advantages:

- Best suitability for hard planking materials, e.g. OSB, hard fibre, plasterboard etc.
- Easy handling due to conical shape
- Good grip and sealing due to cylindrical sealing surface
- Airtight and splash-proof

## Technical details:

- Diameter: 105/108 mm
- Thickness: 25 mm
- Required drill hole: D=105...108mm

## Quantity discount:

- discount of 3% when purchasing 100 or more pieces
  - discount of 5% when purchasing 250 or more pieces
  - discount of 8% when purchasing 500 or more pieces
  - discount of 10% when purchasing 1000 or more pieces
  - discount of 12% when purchasing 5000 or more pieces
- (Packaging unit standard: 500 pieces/box)

## Note:

From many years of experience, we know that the sealing corks are well suited for the use with gypsum fibreboards and other planking materials. Discolorations or similar after plastering cannot be expected even after several years. A separate certification for the use of the sealing corks in combination with gypsum fibreboards is not available.

**04 Nozzles and blowing accessories****Sealing cork VK120****Art. 4671**

Klick me! (Image similar)

Sealing cork for closing injection holes.

**Advantages:**

- Best suitability for hard planking materials, e.g. OSB, hard fibre, plasterboard etc.
- Easy handling due to conical shape
- Good grip and sealing due to cylindrical sealing surface
- Airtight and splash-proof

**Technical details:**

- Diameter: 120/123 mm
- Thickness: 25 mm
- Required drill hole: D=120...122,5mm

**Quantity discount:**

- discount of 3% when purchasing 100 or more pieces
  - discount of 5% when purchasing 250 or more pieces
  - discount of 8% when purchasing 500 or more pieces
  - discount of 10% when purchasing 1000 or more pieces
  - discount of 12% when purchasing 5000 or more pieces
- (Packaging unit standard: 357 pieces/box)

**Note:**

From many years of experience, we know that the sealing corks are well suited for the use with gypsum fibreboards and other planking materials. Discolorations or similar after plastering cannot be expected even after several years. A separate certification for the use of the sealing corks in combination with gypsum fibreboards is not available.

**Sealing cork VK30****Art. 3626**

Klick me! (Image similar)

Sealing cork for closing injection holes.

**Advantages:**

- Best suitability for hard planking materials, e.g. OSB, hard fibre, plasterboard etc.
- Easy handling due to conical shape
- Good grip and sealing due to cylindrical sealing surface
- Airtight and splash-proof

**Technical details:**

- Diameter: 26/33 mm
- Thickness: 25 mm
- Required drill hole: D=26...32mm

**Quantity discount:**

- discount of 3% when purchasing 100 or more pieces
- discount of 5% when purchasing 250 or more pieces
- discount of 8% when purchasing 500 or more pieces
- discount of 10% when purchasing 1000 or more pieces
- discount of 12% when purchasing 5000 or more pieces

**Note:**

From many years of experience, we know that the sealing corks are well suited for the use with gypsum fibreboards and other planking materials. Discolorations or similar after plastering cannot be expected even after several years. A separate certification for the use of the sealing corks in combination with gypsum fibreboards is not available.

**Sealing cork VK38****ab Anzahl Art. 3838**

Klick me! (Image similar)

Sealing cork for closing injection holes.

500 Stück

700 Stück 5,00%

**Advantages:**

- Best suitability for hard planking materials, e.g. OSB, hard fibre, plasterboard etc.
- Easy handling due to conical shape
- Good grip and sealing due to cylindrical sealing surface
- Airtight and splash-proof

**Technical details:**

- Diameter: 35/40 mm
- Thickness: 25 mm
- Required drill hole: D=36...38mm

**Quantity discount:**

- discount of 3% when purchasing 100 or more pieces
- discount of 5% when purchasing 250 or more pieces
- discount of 8% when purchasing 500 or more pieces
- discount of 10% when purchasing 1000 or more pieces
- discount of 12% when purchasing 5000 or more pieces

**Note:**

From many years of experience, we know that the sealing corks are well suited for the use with gypsum fibreboards and other planking materials. Discolorations or similar after plastering cannot be expected even after several years. A separate certification for the use of the sealing corks in combination with gypsum fibreboards is not available.

**04 Nozzles and blowing accessories**

**Sealing cork VK65**

**Art. 2018**



Klick me! (Image similar)

Sealing cork for closing injection holes.

Advantages:

- Best suitability for hard planking materials, e.g. OSB, hard fibre, plasterboard etc.
- Easy handling due to conical shape
- Good grip and sealing due to cylindrical sealing surface
- Airtight and splash-proof

Technical details:

- Diameter: 64/68 mm
- Thickness: 25 mm
- Required drill hole: D=64...67mm

Quantity discount:

- discount of 3% when purchasing 100 or more pieces
- discount of 5% when purchasing 250 or more pieces
- discount of 8% when purchasing 500 or more pieces
- discount of 10% when purchasing 1000 or more pieces
- discount of 12% when purchasing 5000 or more pieces

Note:

From many years of experience, we know that the sealing corks are well suited for the use with gypsum fibreboards and other planking materials. Discolorations or similar after plastering cannot be expected even after several years. A separate certification for the use of the sealing corks in combination with gypsum fibreboards is not available.

**Sealing cork VK85**

**Art. 2208**



Klick me! (Image similar)

Sealing cork for closing injection holes.

Advantages:

- Best suitability for hard planking materials, e.g. OSB, hard fibre, plasterboard etc.
- Easy handling due to conical shape
- Good grip and sealing due to cylindrical sealing surface
- Airtight and splash-proof

Technical details:

- Diameter: 84/88 mm
- Thickness: 25 mm
- Required drill hole: D=84...87mm

Quantity discount:

- discount of 3% when purchasing 100 or more pieces
- discount of 5% when purchasing 250 or more pieces
- discount of 8% when purchasing 500 or more pieces
- discount of 10% when purchasing 1000 or more pieces
- discount of 12% when purchasing 5000 or more pieces

Note:

From many years of experience, we know that the sealing corks are well suited for the use with gypsum fibreboards and other planking materials. Discolorations or similar after plastering cannot be expected even after several years. A separate certification for the use of the sealing corks in combination with gypsum fibreboards is not available.

**Closing plug VS106 (wood fibre)**

**Art. 4673**



Klick me! (Image similar)

Dodecagonal, cylindrical closing plug for closing drilling holes in wood fibre panels. 40mm thick.

Quantity discount:

- discount of 2% when purchasing 250 or more pieces
- discount of 4% when purchasing 1000 or more pieces
- discount of 6% when purchasing 5000 or more pieces

**Closing plug VS120 (wood fibre)**

**Art. 4674**



Klick me! (Image similar)

Dodecagonal, cylindrical closing plug for closing drilling holes in wood fibre panels. 40mm thick.

Quantity discount:

- discount of 2% when purchasing 250 or more pieces
- discount of 4% when purchasing 1000 or more pieces
- discount of 6% when purchasing 5000 or more pieces

**Delivery list with illustrations**

Last updated: 16.11.2017

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**04 Nozzles and blowing accessories****Closing plug VS85 (wood fibre)****Art. 4675**

Dodecagonal, cylindrical closing plug for closing drilling holes in wood fibre panels. 40mm thick.

Quantity discount:

- discount of 2% when purchasing 250 or more pieces
- discount of 4% when purchasing 1000 or more pieces
- discount of 6% when purchasing 5000 or more pieces

Klick me! (Image similar)

**05 Hoses and connectors****NW38 injection hose (1 ½"), L=15m****Art. 777**

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: flame red

Advantages

- rigid design so can therefore be easily passed through barriers
- greater rigidity makes positioning the hose end to the cavity noticeably easier
- ++ 10% discount when purchasing more than 3 hoses ++

Klick me! (Image similar)

**NW50 injection hose (2"), L=15m****Art. 167**

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: flame red

Advantages

- rigid design so can therefore be easily passed through barriers
- greater rigidity makes positioning the hose end to the cavity noticeably easier
- ++ 10% discount when purchasing more than 3 hoses ++

Klick me! (Image similar)

**NW63 injection hose (2 ½"), L=15m****Art. 166**

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness characteristics. Tension belt included.

Colour: flame red

Advantages:

- high stiffness, obstacles can be passed easily
- higher stiffness enables a better positioning inside the cavity, the cavity's end can be sensed

Klick me! (Image similar)

++ 10% discount when purchasing 3 or more hoses ++

**NW63 (2 1/2") injection hose, L=20m****Art. 5238**

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: flame red

Advantages

- rigid design so can therefore be easily passed through barriers
- greater rigidity makes positioning the hose end to the cavity noticeably easier
- ++ 10% discount when purchasing more than 3 hoses ++

Klick me! (Image similar)

**NW75 injection hose (3"), L=15m****Art. 074**

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: flame red

Advantages

- rigid design so can therefore be easily passed through barriers
- greater rigidity makes positioning the hose end to the cavity noticeably easier
- ++ 10% discount when purchasing more than 3 hoses ++

Klick me! (Image similar)

**NW75 injection hose (3"), L=20m****Art. 4777**

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: flame red

Advantages

- rigid design so can therefore be easily passed through barriers
- greater rigidity makes positioning the hose end to the cavity noticeably easier
- ++ 10% discount when purchasing more than 3 hoses ++

Klick me! (Image similar)

**NW90 injection hose (3 ½"), L=15m****Art. 1169**

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: flame red

Advantages

- rigid design so can therefore be easily passed through barriers
- greater rigidity makes positioning the hose end to the cavity noticeably easier
- ++ 10% discount when purchasing more than 3 hoses ++

Klick me! (Image similar)

**05 Hoses and connectors****NW90 injection hose (3 1/2"), L=20m****Art. 8293**

Klick me! (Image similar)

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: flame red

Advantages

- rigid design so can therefore be easily passed through barriers
- greater rigidity makes positioning the hose end to the cavity noticeably easier
- ++ 10% discount when purchasing more than 3 hoses ++

**NW63 flexible injection hose (2 1/2"), L=15m****Art. 4779**

Klick me! (Image similar)

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: sky blue

Advantages

- Facilitates hose insertion into small insulation thicknesses or small injection holes.
- Better processing at low temperatures.
- ++ 10% discount when purchasing more than 3 hoses ++

**NW63 (2 1/2") flexible injection hose, L=20m****Art. 5239**

Klick me! (Image similar)

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: sky blue

Advantages

- Facilitates hose insertion into small insulation thicknesses or small injection holes.
- Better processing at low temperatures.
- ++ 10% discount when purchasing more than 3 hoses ++

**NW75 flexible injection hose (3"), L=15m****Art. 4774**

Klick me! (Image similar)

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: sky blue

Advantages

- Facilitates hose insertion into small insulation thicknesses or small injection holes.
- Better processing at low temperatures.
- ++ 10% discount when purchasing more than 3 hoses ++

**NW75 (3") flexible injection hose, L=20m****Art. 5237**

Klick me! (Image similar)

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: sky blue

Advantages

- Facilitates hose insertion into small insulation thicknesses or small injection holes.
- Better processing at low temperatures.
- ++ 10% discount when purchasing more than 3 hoses ++

**EM3X5/EM440: Connection set for amplifier****Art. 6453**

Klick me! (Image similar)

Accessories for connecting the amplifier blowers (outlet NW63) to an insulation blowing machine (outlet NW75).

Consisting of

- 1x Y-piece NW75/63>75 stainless steel (prod. no. 2221)
- 1,5 m Conveyor hose NW63 (prod. no. 4498)
- 1,5 m Conveyor hose NW75 (prod. no. 4485)
- 2x Hose clamp NW63 (prod. no. 176)
- 2x Hose clamp NW75 (prod. no. 177)

**EM3X5/EM440: Connection set for amplifier (NW90/NW63)****Art. 8279**

Klick me! (Image similar)

Accessories for connecting the amplifier blowers (outlet NW63) to an insulation blowing machine with a direct expansion (outlet NW90).

Consisting of

- 1x Y-piece NW90/63>90 stainless steel (prod. no. 6670)
- 1,5 m Conveyor hose NW63 (prod. no. 4498)
- 1,5 m Conveyor hose NW90 (prod. no. 4505)
- 2x Hose clamp NW63 (prod. no. 176)
- 2x Hose clamp NW90 (prod. no. 1923)

**Rotary hose connector SDV63****Art. 8605**

Klick me! (Image similar)

Rotatable hose connector for twist free hose line.

- Hose connection: NW63 (2,5") on both sides
- Sealed to maintain injection pressure
- Can be taken apart for cleaning
- Material: aluminium

**05 Hoses and connectors****Pneumatic Fibre Switch Cascade with 4 Outputs****Art. 5063**

Klick me! (Image similar)

Pneumatic driven material sorting gate for uninterruptible switchover from solid material air flows with four outflows, fully functioning and completely prepared for connecting a radio remote control or connectable over foreign signals. Module is completely assembled on ground plates consisting of 3-piece pneumatically driven material switches, fastening, hose installation, and connected electrically and pneumatically.

**Special features:**

- Extremely quick switchover, therefore low tendency for blockages to build
- No unwanted material entry into not used outputs
- Powerful drive, switches also during backflow in the hoses
- Controllable via radio remote control

**Technical details:**

- Input: hose socket NW75 (3")
- Output: 4x hose sockets NW75 (3")
- Switching time: <0,5 seconds
- Air pressure connection: 1/4", (approx. 55l/min, depending on how often it is applied)
- Power supply: 230V / 50Hz
- Required control signals: 3 switch inputs 24V =
- Weight: approx. 35kg
- Dimensions: approx. 500 x 600 x 480 (LxWxH)

**Options/Accessories:**

- FFB 500 - radio remote control bidirectional (prod. no. 6708)
- Reducer tube NW75>50 for pneumatic fibre switch (prod. No. 6890)

Warning: Pay attention to safety and maintenance according to the enclosed manual!

**Pneumatic Fibre Switch: Final Position Switch for Connection to a PLC****Art. 4022**

Klick me! (Image similar)

Final position sensors for use with pneumatic fibre switch. Necessary for position feedback to a PLC when the fibre switch is used in a manufacturing plant. Specification: Closing contact, ready for mounting.

**Fibre switch/material switch/pipe switch compact NW63>63****Art. 2809**

Klick me! (Image similar)

Fibre switch designed for an interruption-free filling of wall and roof elements

**Advantages**

- Easy operation, diverting the material flow via hand lever
- Interruption-free filling of elements
- Possibility of switching over wide fields which are equipped with two hoses
- Possibility of multiple switching

**Technical details**

Dimensions: approx. 22cm  
 Weight: approx. 1,5kg  
 Material: stainless steel  
 Inlet: 1x NW63 (2 1/2")  
 Outlet: 2x NW63 (2 1/2")

**Useful accessories**

- Hose clamp NW63 (2 1/2") (prod. no. 176)
- Injection hose NW63 (2 1/2") (prod. no. 166/5238)

**Fibre switch/material switch/pipe switch compact NW75>63****Art. 2810**

Klick me! (Image similar)

Fibre switch designed for an interruption-free filling of wall and roof elements

**Advantages**

- Easy operation, diverting the material flow via hand lever
- Interruption-free filling of elements
- Possibility of switching over wide fields which are equipped with two hoses
- Possibility of multiple switching

**Technical details**

Dimensions: approx. 22cm  
 Weight: approx. 1,75kg  
 Material: stainless steel  
 Inlet: 1x NW75 (3")  
 Outlet: 2x NW63 (2 1/2")

**Useful accessories**

- Hose clamp NW63 (2 1/2") (prod. no. 176)
- Hose clamp NW75 (3") (prod. no. 177)
- Injection hose NW63 (2 1/2") (prod. no. 166/5238)
- Conveyor hose NW75 (3") (prod. no. 284)

**05 Hoses and connectors****Fibre switch/material switch/pipe switch compact NW75>75****Art. 2794**

Klick me! (Image similar)

Fibre switch designed for an interruption-free filling of wall and roof elements

**Advantages**

- Easy operation, diverting the material flow via hand lever
- Interruption-free filling of elements
- Possibility of switching over wide fields which are equipped with two hoses
- Possibility of multiple switching

**Technical details**

Dimensions: approx. 22cm  
 Weight: approx. 1,8kg  
 Material: stainless steel  
 Inlet: 1x NW75 (3")  
 Outlet: 2x NW75 (3")

**Useful accessories**

- Hose clamp NW75 (3") (prod. no. 177)
- Injection hose NW75 (3") (prod. no. 074/4777)

**Fibre switch/material switch/pipe switch pneumatic, 1-inlet****Art. 3846**

Klick me! (Image similar)

Fibre switch designed for an interruption-free filling of elements

**Advantages**

- Easy operation, quick diverting of the material flow via remote control or an insulation blowing machine
- Interruption-free filling of elements
- Powerful drive, switches even in case of back pressure inside the hose
- Quick diverting between conveying and suctioning material
- Possibility of multiple switching

**Technical details**

Dimensions: approx. 480x275x130 (LxHxW)  
 Weight: approx. 8,3kg  
 Material: aluminium  
 Inlet: 1x NW75 (3")  
 Outlet: 2x NW75 (3")  
 Control input: 24V DC (standard)  
 Compressed air connection: Compressed air supply 6-10 bar/min. 55l/min.

**Options**

- Control input: deviating execution with 24V AC, 12V DC, 230V AC possible on demand
- Limit switch for connecting a SPS (prod. no. 4022)
- FFB 22 - 2-channel radio remote control, unidirectional (prod. no. 8229)
- Master-Slave cable for controlling via an insulation blowing machine (prod. no. 4341)
- Air compressor, small (prod. no. 4049)

**Alternative and replacement articles**

- Fibre switch/material switch/pipe switch pneumatic, 3-outlets (prod. no. 5179)
- Fibre switch/material switch/pipe switch compact NW75>75 (prod. no. 2794)

**Fibre switch/material switch/pipe switch pneumatic, 3-outlets****Art. 5179**

Klick me! (Image similar)

Fibre switch designed for an interruption-free filling of elements

**Advantages**

- Easy operation, quick diverting of the material flow via remote control or an insulation blowing machine
- Interruption-free filling of elements
- Powerful drive, switches even in case of back pressure inside the hose
- Quick diverting between conveying and suctioning material
- Possibility of multiple switching

**Technical details**

Dimensions: approx. 480x275x130 (LxHxW)  
 Weight: approx. 8,3kg  
 Material: aluminium  
 Inlet: 2x NW75 (3")  
 Outlet: 3x NW75 (3")  
 Control input: 24V DC (standard)  
 Compressed air connection: Compressed air supply 6-10 bar/min. 55l/min.

**Options**

- Control input: deviating execution with 24V AC, 12V DC, 230V AC possible on demand
- Limit switch for connecting a SPS (prod. no. 4022)
- FFB 22 - 2-channel radio remote control, unidirectional (prod. no. 8229)
- Master-Slave cable for controlling via an insulation blowing machine (prod. no. 4341)
- Air compressor, small (prod. no. 4049)
- Suitable control plug (prod. no. 1350+1231)

**Alternative and replacement articles**

- Fibre switch/material switch/pipe switch pneumatic, 1-inlet (prod. no. 3846)

**05 Hoses and connectors****Fibre switch/material switch/pipe switch, revolver 2>3 NW75****Art. 6058**

Klick me! (Image similar)

Revolver fibre switch designed for an interruption-free filling of elements

**Advantages**

- Easy operation and adjustability, quick diverting of the material flow via hand lever and fixing bracket
- Interruption-free filling of elements
- Quick diverting between conveying and suctioning material
- Possibility of switching over wide fields which are equipped with two or three hoses
- Diverting between up to three fixed hose- and pipe lines

**Technical details**

Weight: approx. 4,6kg  
 Material: sheet steel  
 Inlet: 2x NW75 (3")  
 Outlet: 3x NW75 (3")

**Options**

- Fibre switch: connection set NW75 (prod. no. 6157)

**Alternative and replacement articles**

- Fibre switch/material switch/pipe switch pneumatic 3-outlets (prod. no. 5179)
- Fibre switch/material switch/pipe switch compact NW75>75 (prod. no. 2794)

**Conveyor hose NW25 (1") smooth, L=20m****Art. 704**

Klick me! (Image similar)

Spiral shielding transparent hose made from PU/PVC. For transporting non-abrasive insulation material. Including strap.

**NW38 conveying hose (1 1/2"), smooth, L=15m****Art. 414**

Klick me! (Image similar)

PU/PVC transparent spiral coil hose. For conveying non-abrasive insulation materials. Tension belt included.  
 ++ 10% discount when purchasing more than 3 hoses ++

**Delivery hose NB38, L=20m, extra strong version****Art. 3822**

Klick me! (Image similar)

Type: Delivery hose NB38, L=20m, extra strong  
 Temp.: -40°C to 100°C  
 Applications: extraction and transport of abrasive, granular media  
 Features: very smooth bore, high abrasion resistance, good cold flexibility, oil and petrol-resistant, free of halogens and softeners  
 Minimum bending radius: ca. 100mm  
 Weight: ca. 0.8 kg/m  
 Max. working pressure / vacuum: 1.2bar / 0.5bar  
 Size: D=38.0 mm  
 Material: PU / steel wire  
 Including retaining belt.

**NW50 conveying hose (2") smooth, L=20m****Art. 329**

Klick me! (Image similar)

PU/PVC transparent spiral coil hose. For conveying non-abrasive insulation materials. Tension belt included.  
 ++ 10% discount when purchasing more than 3 hoses ++

**Conveying hose NW50 (2") with earthing braid, L=20m****Art. 3817**

Klick me! (Image similar)

Spiral coil hose made of PU/PVC composite with earthing braids, transparent. For the transport of non-abrasive insulation material.  
 Lashing strap included. With proper connection, the earthing braid can establish a continuous grounding. The risk of potential electrostatic charging will be greatly reduced.

++ 10% discount when ordering 3 or more hoses ++

**05 Hoses and connectors****NW50 conveying hose (L=20m), extra robust design****Art. 1061**

Model: NW50 extra strong conveyor hose, L = 20 m  
 Temp.: -40° C to 90° C  
 Field of application: Suction and conveying of abrasive and granular materials.  
 Features: Very smooth flow channel, high abrasion resistance, flexible when cold, oil and fuel resistance, halogen and diluent free.  
 Bend radius: approx. 100 mm  
 Weight: approx. 0.8 kg/m  
 max. operating pressure / vacuum: 1.2 bar / 0.5 bar  
 Dimensions.: D = 50,8 mm  
 Material: PU / steel wire  
 Tension belt included.  
 ++ 10% discount when purchasing more than 3 hoses ++

Klick me! (Image simililar)

**NW63 conveying hose (2 1/2"), smooth, L=20m****Art. 573**

PU/PVC transparent spiral coil hose. For conveying non-abrasive insulation materials.  
 Tension belt included.  
 ++ 10% discount when purchasing more than 3 hoses ++

Klick me! (Image simililar)

**Conveying hose NW63 (2 1/2") with flexible earthing lead, L = 20m****Art. 3816**

Spiral-coil hose made of PU/PVC composite transparent. With flexible earthing lead. Incl. tension belt.  
 ++ from 3 hoses upwards 10% discount ++

Klick me! (Image simililar)

**NW63 extra strong conveyor hose, L = 20 m****Art. 1001**

Model: NW63 extra strong conveyor hose, L = 20 m  
 Temp.: -40° C to 90° C  
 Field of application: Suction and conveying of abrasive and granular materials.  
 Features: Very smooth flow channel, high abrasion resistance, flexible when cold, oil and fuel resistance, halogen and diluent free.  
 Bend radius: approx. 100 mm  
 Weight: approx. 0.8 kg/m  
 max. operating pressure / vacuum: 1.2 bar / 0.5 bar  
 Dimensions.: D = 50,8 mm  
 Material: PU / steel wire  
 Tension belt included.  
 ++ 10% discount when purchasing more than 3 hoses ++

Klick me! (Image simililar)

**NW75 conveying hose (3"), smooth, L=20m****Art. 284**

PU/PVC transparent spiral coil hose. For conveying non-abrasive insulation materials.  
 Tension belt included.  
 ++ 10% discount when purchasing more than 3 hoses ++

Klick me! (Image simililar)

**Conveyor hose NW75 (3") with flexible earthing braids, L = 20m****Art. 3815**

Spiral-coil hose made of PU/PVC composite transparent. With flexible earthing lead. Incl. Tension belt.  
 ++ from 3 hoses upwards 10% discount ++

Klick me! (Image simililar)

**NW75 (3") conveying hose (L=20m), extra robust design****Art. 1722**

Model: NW75 extra strong conveying hose, L = 20 m  
 Temp.: -40° C to 100° C  
 Field of application: Suction and conveying of abrasive and granular materials.  
 Features: Very smooth flow channel, high abrasion resistance, flexible when cold, oil and fuel resistance, halogen and diluent free.  
 Bend radius: approx. 100 mm  
 Weight: approx. 0.9 kg/m  
 max. operating pressure / vacuum: 1.2 bar / 0.5 bar  
 Dimensions.: D = 76.1 mm  
 Material: PU / steel wire  
 Tension belt included.

Klick me! (Image simililar)



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**05 Hoses and connectors****NW90 conveying hose (3 ½"), L=20m****Art. 422**

PU/PVC transparent spiral coil hose, L=20m. For conveying non-abrasive insulation materials.  
Tension belt included.  
++ 10% discount when purchasing more than 3 hoses ++

Klick me! (Image similar)

**X-floc glass fibre rod: D= 7, L=1.5m****Art. 4020**

Use: Reinforcing injection and conveyor hoses  
Can be adapted with stainless steel bayonets incl. locking device clip.  
Can be secured to the hose with, for example, duct tape at 1m intervals.  
Special design: Can be made shorter or longer if desired  
+++10% discount when purchasing more than 3 items+++

Klick me! (Image similar)

**Glass fibre rod x-floc: D=7, L=2,5m****Art. 6790**

Use: For stiffening injection and conveyor hoses.  
Extendable using phosphate connection pieces.  
Fastening hose enables, via sticky tape, an interval of approx. 1m.

Special design: shorter or longer lengths if desired.

+++ Over 3 pieces 10% Discount ++++

Klick me! (Image similar)

**Glass fibre rod x-floc: D=7, L=4m****Art. 6791**

Use: For stiffening injection and conveyor hoses.  
Extendable using phosphate connection pieces.  
Fastening hose enables, via sticky tape, an interval of approx. 1m.

Special design: shorter or longer lengths if desired.

+++ Over 3 pieces 10% Discount ++++

Klick me! (Image similar)

**Glasfiberstange x-floc: D=9, L=1,5m****Art. 6544**

Use: For stiffening injection and conveyor hoses.  
Extendable using phosphate connection pieces.  
Fastening hose enables, via sticky tape, an interval of approx. 1m.  
Special design: shorter or longer lengths if desired.  
+++ Over 3 pieces 10% Discount +++

Klick me! (Image similar)

**Glasfiberstange x-floc: D=9, L=2,5m****Art. 6543**

Use: For stiffening injection and conveyor hoses.  
Extendable using phosphate connection pieces.  
Fastening hose enables, via sticky tape, an interval of approx. 1m.  
Special design: shorter or longer lengths if desired.  
+++ Over 3 pieces 10% Discount +++

Klick me! (Image similar)

**Glasfiberstange x-floc: D=9, L=4m****Art. 6542**

Use: For stiffening injection and conveyor hoses.  
Extendable using phosphate connection pieces.  
Fastening hose enables, via sticky tape, an interval of approx. 1m.  
Special design: shorter or longer lengths if desired.  
+++ Over 3 pieces 10% Discount +++

Klick me! (Image similar)

**NW63>63 (2 ½") y-pipe****Art. 1132**

Stainless steel y-pipe for interconnecting NW63 (2 ½") conveyor and injection hoses, for twinpack, machine combinations, twinstar.

Klick me! (Image similar)

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### 05 Hoses and connectors

#### NW102>75 reducer tube connector. Material: Aluminium

Art. 6642

Hose reduction with NW102>75 (4">3") tapered sealing edges made of corrosion resistant high-strength aluminium.



Klick me! (Image similiar)

#### NW50>38 reducer tube connector (aluminium)

Art. 1263

Hose reduction with NW50>38 (2">1 1/2") tapered sealing edges made of corrosion resistant high-strength aluminium.



Klick me! (Image similiar)

#### NW63>38 reducer tube connector. Material: Aluminium

Art. 1970

Hose reduction with NW63>NW38 (2 1/2">1 1/2") tapered sealing edges made of corrosion resistant high-strength aluminium.



Klick me! (Image similiar)

#### NW63>50 reducer tube connector (aluminium)

Art. 1264

Hose reduction with NW63>50 (2 1/2">2") tapered sealing edges made of corrosion resistant high-strength aluminium.



Klick me! (Image similiar)

#### NW75>50 reducer tube connector (aluminium)

Art. 1262

Hose reduction with NW75>50 (3">2") tapered sealing edges made of corrosion resistant high-strength aluminium.



Klick me! (Image similiar)

#### NW75>63 reducer tube connector (aluminium)

Art. 1261

Hose reduction with NW75>63 (3">2.5") tapered sealing edges made of corrosion resistant high-strength aluminium.



Klick me! (Image similiar)

#### NW90>75 reducer tube connector. Material: Aluminium

Art. 1971

Hose reduction with NW90>NW75 (3 1/2">3") aluminium tapered sealing edges.



Klick me! (Image similiar)

#### Rotary hose connector SDV50

Art. 6522

Rotatable hose connector for twist-open hose connection.

- Hose connection: NW50 (2") on both sides
- Sealed for blowing pressures
- Can be unmounted for cleaning purposes
- Material: Aluminium



Klick me! (Image similiar)

## Delivery list with illustrations

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### 05 Hoses and connectors

#### Rotary hose connector SDV63

Art. 6896



- Rotatable hose connector for twist free hose line.
- Hose connection: NW63 (2,5") on both sides
- Sealed to maintain injection pressure
- Can be taken apart for cleaning
- Material: aluminium

Klick me! (Image similar)

#### Rotary hose connector SDV75

Art. 4451



- Rotatable hose connector for twist free hose line. Material: Aluminium
- Hose connection: NW75 (3") on both sides
- Sealed to maintain injection pressure.
- Can be taken apart for cleaning

Klick me! (Image similar)

#### NW38 (1 1/2 ") injection hose hose clamp

Art. 1199



- For injection hoses.
- +++ 10% discount when purchasing more than 5 items +++
- +++ 15% discount when purchasing more than 10 items +++

Klick me! (Image similar)

#### NW38 (1 1/2 ") conveyor hose hose clamp

Art. 512



- For conveyor hoses.
- +++ 10% discount when purchasing more than 5 items +++
- +++ 15% discount when purchasing more than 10 items +++

Klick me! (Image similar)

#### Hose clamp NW50 (2")

Art. 175



- For securing injection and conveyor hoses.
- +++ 10 % discount when purchasing more than 5 items +++
- +++ 15% discount when purchasing more than 10 items +++

Klick me! (Image similar)

#### Hose clamp NW63 (2 1/2 ")

Art. 176



- Hose clamp for securing injection and conveyor hose
- +++ 10 % discount when purchasing more than five units+++
- +++15% discount when purchasing more than 10 items+++

Klick me! (Image similar)

#### Hose clamp NW75 (3")

Art. 177



- For securing NW75 (3") injection and conveyor hoses.
- +++10 % discount when purchasing more than five units+++
- +++15% discount when purchasing more than 10 items+++

Klick me! (Image similar)

#### NW75 (3") / S 79-85 hose clamp (hinged bolt clamp)

Art. 3759



- Design: Hinged bolt clamp (SW13)
- Recommended for NW75 conveyor hoses.
- +++ 10 % discount when purchasing more than five units+++
- +++15% discount when purchasing more than 10 items+++

Klick me! (Image similar)

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### 05 Hoses and connectors

#### [NW75 \(3"\) hose clamp, quick-connect clamp with hook](#)

Art. 223



Quick-connect clamp for securing NW75 injection and conveyor hoses.  
+++ 10 % discount when purchasing more than 5 units+++  
+++15% discount when purchasing more than 10 items+++

Klick me! (Image similar)

#### [NW90 hose clamp NW90 \(3 1/2"\)](#)

Art. 1923



For securing injection and conveyor hoses.  
+++ 10% discount when purchasing more than 5 units+++  
+++15% discount when purchasing more than 10 items+++

Klick me! (Image similar)

#### [NW90 \(3 1/2"\) hose clamp, quick-connect clamp with hook](#)

Art. 8816



Quick-connect clamp for securing NW90 injection and conveyor hoses.  
+++ 10 % discount when purchasing more than 5 units+++  
+++15% discount when purchasing more than 10 items+++

Klick me! (Image similar)

#### [Hose reel D 1000 plus](#)

Art. 6464



For practical reeling of hoses up to a length of 130m (depending on the diameter, see data sheet), any combination possible. The reel can be mounted anywhere and the weight is reduced to a minimum.

Steel frame (powder-coated), consists of:

- Frame with fastening options for roles, wall or floor fastening
- Hose reel with detectable twist lock (locking bolt)
- Mirror-inverted reel mounting possible, thereby flexible adaptation to the application situation possible
- Hose connection NW75 (3") side of the reel

- Capacity:

Injection hose NW50 approx. 110m

Conveyor hose NW50 approx. 130m

Injection hose NW63 approx. 70m

Conveyor hose NW63 approx. 90m

Injection hose NW75 approx. 45m

Conveyor hose NW75 approx. 60m

For further information see data sheet.

Please give the following details when ordering:

Inlet pre-mounted left or right? Standard is left if you look from the open frame's side on the hose reel. (Future amendments possible)

Options:

- Connection set including a rotary hose connector NW75 for the immediate application of the connected insulation blowing machine (prod. no. 5845)
- Fixed castors or castors for increased mobility (prod. no. 4767 + 4766)
- Special versions on request

#### [NW50 stainless steel hose connector](#)

Art. 235



Connecting piece for hoses.  
Material: Stainless steel

Klick me! (Image similar)

#### [NW63 stainless steel hose connector](#)

Art. 236



Connecting piece for hoses.  
Material: Stainless steel

Klick me! (Image similar)

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## 05 Hoses and connectors

### [Hose connector NW75 \(3"\), stainless steel](#)

Art. 033



Connecting piece for hoses.  
Material: Stainless steel  
Extra thin wall thickness

Klick me! (Image similar)

### [Hose connector NW90, stainless steel](#)

Art. 1452



Klick me! (Image similar)

### [NW38 \(1 1/2 "\) quick coupling](#)

Art. 667



NW38 Storz coupling with long hose nipple D=38 L=90, cleat spacing =52, for NW38 (1 1/2") hoses.  
+++10% discount when purchasing more than 3 items +++

Klick me! (Image similar)

### [NW50 \(Kn66\) quick coupling](#)

Art. 171



NW50(C) Storz coupling with long hose nipple, cleat spacing = 66.  
+++10% discount when purchasing more than 3 items +++

Klick me! (Image similar)

### [NW63 \(Kn89\) quick coupling](#)

Art. 170



NW63(B) Storz coupling with long hose nipple, cleat spacing = 89.  
+++10% discount when purchasing more than 3 items +++

Klick me! (Image similar)

### [NW75 \(Kn89\) quick coupling](#)

Art. 168



NW75(B) Storz coupling with long hose nipple, cleat spacing = 89.  
+++10% discount when purchasing more than 3 items +++

Klick me! (Image similar)

### [NW75-R2 1/2 " quick coupling - fixed](#)

Art. 172



NW75(B) Storz coupling  
with internal screw thread R2 1/2"  
cleat spacing = 89.  
+++10% discount when purchasing more than 3 items +++

Klick me! (Image similar)

### [Quick coupling hose clamp adaptor, internal screw thread 66/52 \(NW50>40\).](#)

Art. 668



Storz coupling adaptor 52-C / 38, internal screw thread 66/52 (NW50>40).  
+++10% discount when purchasing more than 3 items +++

Klick me! (Image similar)

## Delivery list with illustrations

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### 05 Hoses and connectors

#### Quick coupling-adaptor Kn89>Kn66

Art. 173



Klick me! (Image similar)

Storz coupling adaptor B to C, internal screw thread 89/66 (NW50>40).  
+++10% discount when purchasing more than 3 items +++

#### 1.3m tension belt with loop and x-floc Logo

Art. 1954



Klick me! (Image similar)

Use: for bundling hoses together  
Description: Tension belt, L=1.3m with clamping lock and loop.  
Tension: 250daN  
Strapped 45°, sloped.  
+++10% discount when purchasing more than 10 items+++

#### 1.3m tension belt with loop and x-floc Logo

Art. 8491



Klick me! (Image similar)

Use: for bundling hoses together  
Description: Tension belt, L=1.3m with clamping lock and loop.  
Tension: 250daN  
Strapped 45°, sloped.  
+++10% discount when purchasing more than 10 items+++

#### VS:Minifant etc connecting set

Art. 4935



Klick me! (Image similar)

Accessories for connecting an amplifier station to a NW63 injection machine or airlock outlet.  
Consists of:  
- 5m control cable (product no. 1856)  
- NW63 stainless steel y-piece NW65/63>63 (Art.-Nr. 3955)  
- 2 x 1.5 m NW63 injection hose  
- 4 x NW63 hose clamps

#### VS: Connecting Set for Amplifier NW63/NW75>NW75

Art. 4934



Klick me! (Image similar)

Accessories for connecting an amplifier station to a NW75 injection machine or airlock outlet.  
Consists of:  
- 5m control cable (product no. 1856)  
- NW75/63>75 stainless steel y-piece (product no. 2221)  
- 1.5 m NW63 injection hose  
- 1.5 m NW75 injection hose  
- 2x NW63 hose clamps  
- 2x NW75 hose clamps

#### VS: Connection set for amplifier NW63/NW90>NW90

Art. 7870



Klick me! (Image similar)

Accessories for connecting an amplifier station to an insulation blowing machine with an outlet size of NW90.  
Consisting of:  
- 1x Connecting control cable 5m (prod. no. 1856)  
- 1x Y-piece NW63/90>90 stainless steel (prod. no. 6670)  
- 1.5 m Conveyor hose NW63 (prod. no. 4498)  
- 1.5 m Conveyor hose NW90 (prod. no. 4505)  
- 2x Hose clamps NW63 (prod. no. 176)  
- 2x Hose clamps NW90 (prod. no. 1923)

#### VS: NW63/63>63 stainless steel y-piece

Art. 3955



Klick me! (Image similar)

For coupling the air from the amplifier / vacuum unit NW63/63>63

#### VS: NW63/75>75 stainless steel y-piece.

Art. 2221



Klick me! (Image similar)

For coupling the air from the amplifier / vacuum unit NW63+NW75>NW75

## Delivery list with illustrations

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### 05 Hoses and connectors

#### [VS: NW63/75>75 plastic y-piece](#)

Art. 1804



without detention mesh  
For coupling the air from the amplifier / vacuum unit NW63+NW75>NW75  
Inlet with sloped rim

Klick me! (Image similar)

#### [NW75>75 \(3"\) y-connector](#)

Art. 456



Stainless steel y-piece for interconnecting NW63 (2 1/2 ") conveyor and injection hoses, for twinpack, machine combinations.

Klick me! (Image similar)

#### [VS: NW75/90>90 stainless steel y-piece](#)

Art. 4523



Klick me! (Image similar)

#### [Y-Piece NW90/90>90 \(3 1/2"\)](#)

Art. 7136



Y-Piece made of stainless steel, to interconnect material streams NW90/90>NW90 (3 1/2"/3 1/2">3 1/2"). Typical applications: TwinPack, machine combinations

Klick me! (Image similar)

#### [Accessory set NW50 for core insulation material \(also lightly abrasive\)](#)

Art. 5386



Set with recommended accessories for processing granules (EPS, perlite or similar) mineral fibres (rock wool, glass wool) or other insulation material and/or for blowing with small nozzles.

- Consisting of:
- 3x NW50 conveyor hose, L = 20m (prod. no. 329)
  - 2x NW50 hose connector NW50 (prod. no. 235)
  - 7x NW50 hose clamps NW50 (prod. no. 175)
  - 1x injection nozzle 50>20 (prod. no. 2688)

Klick me! (Image similar)

#### [Accessories set NW63 for loose-fill insulation \(nonabrasive\)](#)

Art. 5711



Set with recommended accessories for processing cellulose, wood fibre, glass wool and more using machines with an NW63 outlet (e.g. Minifant, EM100, Krendl500 etc.).

- Consisting of:
- 1x NW63 conveyor hose, L = 20m (prod. no. 573)
  - 1x NW63 injection hose, L = 15m (red=stiff) (prod. no. 166)
  - 1x NW63 injection hose, L = 15m (blue=flexible) (prod. no. 4779)
  - 2x NW63 hose connector (prod. no. 236)
  - 7x NW63 hose clamp (prod. no. 176)
  - 2x NW50/63 sealing sponge (prod. no. 7100)

Klick me! (Image similar)

#### [Accessories set NW63/50 for loose-fill insulation \(nonabrasive\)](#)

Art. 5712



Set with recommended accessories for processing cellulose, glass fibre and more using machines with an outlet NW63 (e.g. Minifant, EM100, Krendl500 etc.).

- Consisting of:
- 1x NW63 injection hose, L = 15m (red=stiff) (prod. no. 166)
  - 1x NWN63 injection hose, L = 15m (blue=flexible) (prod. no. 4779)
  - 1x NW50 injection hose, L = 15m (prod. no. 167)
  - 1x NW63 hose connector (prod. no. 236)
  - 1x NW63>50 reducer tube connector (prod. no. 1264)
  - 5x NW63 hose clamp (prod. no. 176)
  - 2x NW50 hose clamp (prod. no. 175)
  - 2x NW50/63 sealing sponge (product no. 7100)

Klick me! (Image similar)

**05 Hoses and connectors****Accessories set NW75/63 for loose-fill insulation (nonabrasive)****Art. 5246**

Set with recommended accessories for processing cellulose, wood fibre, glass wool and more using machines with an NW75 outlet (e.g. Zellofant, EM400/440 SHS, etc.).

Consisting of:

- 1x NW75 conveyor hose, L = 20m (prod. no. 284)
- 1x NW75 standard injection hose, L = 15m (prod. no. 074)
- 1x NW75 flexible injection hose, L = 15m (prod. no. 4774)
- 1x NW63 injection hose, L = 15m (prod. no. 166)
- 2x NW75 hose connector (prod. no. 033)
- 1x NW75>63 reducer tube connector (prod. no. 1261)
- 7x NW75 hose clamp (prod. no. 177)
- 3x NW63 hose clamp (prod. no. 176)
- 2x NW63/75 sealing sponge (prod. no. 7099)

**Accessories set NW75/63/50 for loose-fill insulation (nonabrasive)****Art. 5737**

Set with recommended accessories for processing cellulose, wood fibre, glass wool and more using machines with an NW75 outlet (e.g. Zellofant, EM400/440 SHS, etc.).

Consisting of:

- 1x NW75 conveyor hose, L = 20m (prod. no. 284)
- 1x NW75 standard injection hose, L = 15m (prod. no. 074)
- 1x NW75 flexible injection hose, L = 15m (prod. no. 4774)
- 1x NW63 injection hose, L = 15m (prod. no. 166)
- 1x NW50 injection hose, L = 15m (prod. no. 167)
- 2x NW75 hose connector (prod. no. 033)
- 1x NW75>63 reducer tube connector (prod. no. 1261)
- 1x NW63>50 reducer tube connector (prod. no. 1264)
- 7x NW75 hose clamp (prod. no. 177)
- 3x NW63 hose clamp (prod. no. 176)
- 3x NW50 hose clamp (prod. no. 175)
- 2x NW63/75 sealing sponge (prod. no. 7099)
- 2x NW50/63 sealing sponge (prod. no. 7100)

**Accessories set NW75/63/50/38 for loose-fill insulation (non abrasive)****Art. 7766**

Set with recommended accessories for processing cellulose, wood fibre, glass wool etc. Suitable for insulation blowing machines with an outlet NW75, as machines M95, EM300, EM400, EM500 etc.

Consisting of:

- 4x Conveyor hose NW75 (3") smooth, L=20m (prod. no. 284)
- 1x Injection hose NW75 (3"), L=20m (prod. no. 4777)
- 1x Injection hose NW63 (2 1/2") smooth, L=20m (prod. no. 573)
- 1x Injection hose NW63 (2 1/2"), L=20m (prod. no. 5238)
- 1x Injection hose NW50 (2"), L=15m (prod. no. 167)
- 1x Injection hose NW38 (1 1/2"), L=15m (prod. no. 777)
- 5x Hose connector NW75 (3"), stainless steel (prod. no. 033)
- 2x Hose connector NW63 (2,5"), stainless steel (prod. no. 236)
- 2x Hose connector NW50 (2"), stainless steel (prod. no. 235)
- 1x Hose connector NW38 (1,5"), stainless steel (prod. no. 788)
- 2x Reducer tube connector NW 75>63 (aluminium) (prod. no. 1261)
- 2x Reducer tube connector NW 75>50 (aluminium) (prod. no. 1262)
- 2x Reducer tube connector NW 63>50 (aluminium) (prod. no. 1264)
- 1x Reducer tube connector NW 63>38 (aluminium) (prod. no. 1970)
- 1x Reducer tube connector NW 50>38 (aluminium) (prod. no. 1263)
- 1x Rotary hose connector SDV75 (prod. no. 4451)
- 1x Rotary hose connector SDV63 (prod. no. 6896)
- 1x Rotary hose connector SDV50 (prod. no. 6522)
- 10x Hose clamp NW75 (3"), quick-connect clamp with hook (prod. no. 223)
- 8x Hose clamp NW75 (3") (prod. no. 177)
- 6x Hose clamp NW63 (2 1/2") (prod. no. 176)
- 5x Hose clamp NW50 (2") (prod. no. 175)
- 4x Hose clamp NW38 (1 1/2") injection hose (prod. no. 1199)
- 4x Sealing sponge NW50/NW63, 400x300x40 (prod. no. 3947)
- 4x Sealing sponge NW38/NW50, 250x250x40 (prod. no. 7101)
- 2x Glass fibre rod: D=7, L=1,5m (prod. no. 6789)
- 2x Glass fibre rod: D=7, L=2,5m (prod. no. 6790)
- 2x Glass fibre rod: D=11, L=1,5m (prod. no. 6792)
- 2x Glass fibre rod: D=11, L=2,5m (prod. no. 6793)

**05 Hoses and connectors****Accessories set NW75/63/50/38 for loose-fill insulation (NTI-partners)****Art. 8448**

Klick me! (Image similar)

Set with recommended accessories for processing cellulose, wood fibre, glass wool etc. Suitable for insulation blowing machines with an outlet NW75, as machines M95, EM300, EM400, EM500 etc.

Consisting of:

- 4x Conveyor hose NW75 (3") smooth, L=20m (prod. No. 284)
- 1x Injection hose NW75 (3"), L=20m (prod. No. 4777)
- 1x Injection hose NW63 (2 1/2") smooth, L=20m (prod. No. 573)
- 1x Injection hose NW63 (2 1/2"), L=20m (prod. No. 5238)
- 1x Injection hose NW50 (2"), L=15m (prod. No. 167)
- 1x conveying hose NW50 (2"), smooth, L=20m (prod. No. 329)
- 1x Injection hose NW38 (1 1/2"), L=15m (prod. No. 777)
- 1x conveying hose NW38 (1 1/2"), smooth, L=15m (prod. No. 414)
- 
- 5x Hose connector NW75 (3"), stainless steel (prod. no. 033)
- 2x Hose connector NW63 (2,5"), stainless steel (prod. no. 236)
- 2x Hose connector NW50 (2"), stainless steel (prod. no. 235)
- 1x Hose connector NW38 (1,5"), stainless steel (prod. no. 788)
- 
- 2x Reducer tube connector NW 75>63 (aluminium) (prod. no. 1261)
- 2x Reducer tube connector NW 75>50 (aluminium) (prod. no. 1262)
- 2x Reducer tube connector NW 63>50 (aluminium) (prod. no. 1264)
- 1x Reducer tube connector NW 63>38 (aluminium) (prod. no. 1970)
- 1x Reducer tube connector NW 50>38 (aluminium) (prod. no. 1263)
- 
- 20x Hose clamp NW75 (3"), quick-connect clamp with hook (prod. no. 223)
- 8x Hose clamp NW75 (3") (prod. no. 177)
- 6x Hose clamp NW63 (2 1/2") (prod. no. 176)
- 5x Hose clamp NW50 (2") (prod. no. 175)
- 4x Hose clamp NW38 (1 1/2") injection hose (prod. no. 1199)
- 
- 4x Sealing sponge NW50/NW63, 400x300x40 (prod. no. 3947)
- 4x Sealing sponge NW38/NW50, 250x250x40 (prod. no. 7101)
- 
- 4x Glass fibre rod: D=9, L=1,5m (prod. no. 6544)
- 4x Glass fibre rod: D=9, L=2,5m (prod. no. 6543)

**Accessories set NW90/75/63 for loose-fill insulation (nonabrasive)****Art. 6765**

Klick me! (Image similar)

Set with recommended accessories for processing cellulose, wood fibre, glass wool and more using machines with an NW90 outlet (e.g. Zellofant, EM400/440 SHS, etc.).

Consisting of:

- 1x NW90 (3 1/2") conveyor hose, L = 20m (prod. no. 422)
- 1x NW90 (3 1/2") injection hose, L = 15m (prod. no. 1169)
- 1x NW75 standard injection hose, L = 15m (prod. no. 074)
- 1x NW75 injection hose (soft), L = 15m (prod. no. 4774)
- 1x NW63 injection hose, L = 15m (prod. no. 166)
- 1x NW90 hose connector, stainless steel (prod. no. 1452)
- 1x NW75 hose connector (prod. no. 033)
- 2x NW90>75 reducer tube connector, aluminium (prod. no. 1971)
- 1x NW75>63 reducer tube connector (prod. no. 1261)
- 5x NW90 (3 1/2") hose clamp (prod. no. 1923)
- 5x NW75 hose clamp (prod. no. 177)
- 3x NW63 hose clamp (prod. no. 176)
- 2x NW63/75 sealing sponge (prod. no. 7099)

**06 Damp spray****FSE: High pressure hose, L=15 m, suitable for high pressure pumping system****Art. 715**

Klick me! (Image similar)

Pressure hose with pressed nipples on each sides DKOL M14x1.5m for connecting spray heads to high pressure pumping systems, consists of:

- Hose
  - One hand coupling M14x1.5
  - One hand closure plug 1/4"
- Hose ready assembled

Dimensions hose: Di=6mm, Da=13.5mm L=15m  
Pressure: max. 180bar

Alternatives:

- High pressure hose L=30m, suitable for high pressure pump system (prod. no. 5054)
- High pressure hose L=50m, suitable for high pressure pump system (prod. no. 5055)

**06 Damp spray**

**FSE: High pressure hose L=30m compatible with a high pressure pump system**

**Art. 5054**



Klick me! (Image similar)

Pressure hose with pressed nipples on each sides DKOL M14x1.5m for connecting spray heads to high pressure pumping systems, consists of:

- Hose
- One hand coupling M14x1.5
- One hand closure plug 1/4"

Hose ready assembled

Dimensions hose: Di=6mm, Da=13.5mm L=30m  
Pressure: max. 180bar

Alternatives:

- High pressure hose L=15m, suitable for high pressure pump system (prod. no. 715)
- High pressure hose L=50m, suitable for high pressure pump system (prod. no. 5055)

**FSE: High pressure hose, L=50m, suitable for high pressure pumping system**

**Art. 5055**



Klick me! (Image similar)

Pressure hose with pressed nipples on each sides DKOL M14x1.5m for connecting spray heads to high pressure pumping systems, consists of:

- Hose
- One hand coupling M14x1.5
- One hand closure plug 1/4"

Hose ready assembled

Dimensions hose: Di=6mm, Da=13.5mm L=50m  
Pressure: max. 180bar

Alternatives:

- High pressure hose L=30m, suitable for high pressure pump system (prod. no. 5054)
- High pressure hose L=15m, suitable for high pressure pump system (prod. no. 715)

**FSE: Piston pump for damp spray systems including jet kit.**

**Art. 1577**



Klick me! (Image similar)

Portable high pressure piston pump with motor consisting of:

- High pressure pump, alternating current motor 230V~ / 1.5kW including pressure regulators.
- Manometer
- Hose trimming with spray gun and lance.
- Pump screwed on to mounting bracket.

(see illustration )

For the following applications:

- Operation of spray heads
- Operation of terminator 3"
- Operation of terminator 2 1/2 "
- Jet cleaning with spray gun and lance.

Technical data:

Maximum supply pressure: 10bar  
Maximum water temperature: 50°C  
Weight: approx. 20kg  
Measurements: LxWxH=450x300x300

Please note: Transport in an upright position and with oil storage cap on.

**Magnetic valve, 2/2-ways, G 1/4"**

**Art. 8334**



Klick me! (Image similar)

2/2-ways magnetic valve

-----

Magnetic valve for installation into the water promoting hose at the Inline-humidification

-----

Suitable for:

- Inline-humidification
- Applications with damp-spraying

-----

Advantages and limitations:

The water flow will be stopped when switching the machine off. Note: If the air flow is active, the magnetic valve is open. For this reason, we recommend to start/stop the air- and material flow always at the same time.

-----

Technical details:

Power supply: 24V DC  
Thread: G 1/4"  
Diameter: 3mm  
Length: 40mm  
Working pressure: 0-13bar  
Throughput: 3,2l/min.  
Weight: 360g  
Material: brass  
Operating temperature: approx. -10°C to 80°C

-----

Scope of delivery:

- 1x Magnetic valve with control cable and auxiliary power plug (length approx. 0.5m)

-----

Advice:

For connection with blowing machine extra control cable is required (Art.-No. 1856, 1351, 1193, 1192)

**06 Damp spray****FSE: Diaphragm pump p=20bar****Art. 206**

Klick me! (Image similar)

Pump for damp spray applications, flow can be directed through container with suction hose, pump rubber membrane also suitable for use with adhesive.

Technical data

0.75 kW, 600 U/min, 17.2 l/min, pmax = 20 bar, including manometer, operating instructions, tools and connecting components.

**FSE: Wall scrubber, M05 B=1000****Art. 4246**

Klick me! (Image similar)

Wall scrubber for smoothing out cellulose insulation between stud work applied by damp spraying.

Features:

- Brush width: approx. 1000 mm
- Brush weight: ca. 8.3 kg
- Drive: 220 VAC 100 Watt carbon brush motor,
- Cellulose is rubbed off with the super grip profile.
- Belt: RL1202 standard v-belt.
- Protective cover for belt pulley

Optional:

- Removable covering (super grip profile)
- Carbon brushes for the drive motor

**FSE: Wall scrubber M05 B=690****Art. 2364**

Klick me! (Image similar)

Wall scrubber for smoothing out cellulose insulation between stud work applied by damp spraying.

Features:

- Brush width: 690 mm
- Brush length: 610 mm
- Brush weight: ca. 7,5 kg
- Drive: 220 VAC 100 Watt carbon brush motor,
- Cellulose is rubbed off with the super grip profile.
- Belt: RL1202 standard v-belt.
- Protective cover for belt pulley

Optional:

- Possible to widen brush to up to 900mm
- Removable covering (super grip profile)
- Carbon brushes for the drive motor

**FSE: Wall scrubber extension set****Art. 2438**

Klick me! (Image similar)

Extension set for extending M05 scrubbing brush by 150mm on both sides. For extra wide stud walls.

Set consists of:

- RH extension (150mm)
- LH extension (150mm)

**FSE: Spray head NW63 compressed with 4 spray nozzles****Art. 3196**

Klick me! (Image similar)

Spray head with compressed air nebulisation

- Connection for compressed air (max. 10 bar) with two adjustable valves
- Water connection (1-25 bar) with two adjustable valves

Area of application:

- Spraying rock and glass wool
- Spraying cellulose on to walls and surfaces

Features:

- Good wetting with circular spray nozzles
- Suitable for use with fresh water (with sufficient line pressure)
- Air compressor required of up to 400 l/min

**FSE: Spray head NW50 with 2 spray nozzles****Art. 1983**

Klick me! (Image similar)

Double jet spray head for damp spray system.

Aluminium spray console with aluminium body and injector body, stainless steel nozzle, 15°- 25° spray angle nozzle model, copper pressure pipes, gate valve for limiting flow and precise adjustment, 1/4" connection point, thus adaptable to any pumping system, pressure resistance of up to 50bar

Optional:

- Case with foam material lining for spray head
- Alternative nozzle set, other nozzle models.

**FSE: Spray head NW63 with 3 spray nozzles****Art. 3169**

Klick me! (Image similar)

Triple jet spray head for damp spray system.

Stainless steel spray console with aluminium body and injector body, stainless steel nozzle (Standard: 2x1501, 1x 150067), 15°- 25° spray angle, gate valve for limiting flow and precise adjustment, 1/4" connection point, thus adaptable to any pumping system, pressure resistance of up to 50bar

Optional:

- Case with foam material lining for spray head
- Alternative nozzle set, other nozzle models.

**06 Damp spray****FSE: Spray head NW63 with 4-8 spray nozzles****Art. 5824**

Klick me! (Image similar)

6-beam spray head with flat and oval outlet through which the fibre material flow is accelerated. Like this, there is a flat spray pattern which simultaneously moistens the material flow and consistently delivers a good spraying result.

## Properties:

- Hose connection: NW63 (2 1/2")
- Spraying nozzles: 2, 4, 6 or 8 piece made from stainless steel (refitting possible, Standard: 6 piece)
- Liquid supply: via plug connection and ball valve
- Weight: 0,84 kg

## Article for optional refitting:

- FSE Nozzle flat jet 0,63l-min (prod. no. 5829)

**FSE: Spray head, Inline / adhesive- NW50>21****Art. 8120**

Klick me! (Image similar)

Adhesive spray head, Inline NW50&gt;21

Spray head with inline nozzle for injection and adhesion of EPS granules. A complete wetting of the EPS beads enables a permanent solidification of the hollow layers insulation after the adhesive has been hardened. Settlements, material trickling out through gaps and cracks or subsequent changes can therefore not occur. The thin-walled nozzle pipe with its special shaped outlet enables a high processing speed at a relatively small bore diameter.

## Characteristics:

- Hose connection for insulation material: NW50 (2")
- Nozzle pipe: outer diameter D=21mm, insertion depth approx. 260mm, straight outlet
- Easy to change nozzle pipe insert
- Connection for liquid adhesive: single-lever coupling (1/4") with shut-off valve (max. pressure 20bar)
- Material throughput: approx. 0,25l/min. at 10bar
- Weight: approx. 0,95kg

## Note:

- Recommended liquid adhesive: adhesive XF10 for adhesion of EPS granules (prod. no. 7976)

**FSE: Spray head, Inline / adhesive- NW50>24****Art. 7881**

Klick me! (Image similar)

Adhesive spray head, Inline NW50&gt;24

Spray head with inline nozzle for injection and adhesion of EPS granules. A complete wetting of the EPS beads enables a permanent solidification of the hollow layers insulation after the adhesive has been hardened. Settlements, material trickling out through gaps and cracks or subsequent changes can therefore not occur. The thin-walled nozzle pipe with its special shaped outlet enables a high processing speed at a relatively small bore diameter.

## Characteristics:

- Hose connection for insulation material: NW50 (2")
- Nozzle pipe: outer diameter D=24mm, insertion depth approx. 260mm, spoon shaped outlet
- Easy to change nozzle pipe insert
- Connection for liquid adhesive: single-lever coupling (1/4") with shut-off valve (max. pressure 20bar)
- Material throughput: approx. 0,25l/min. at 10bar
- Weight: approx. 0,95kg

## Note:

- Recommended liquid adhesive: adhesive XF10 for adhesion of EPS granules (prod. no. 7976)

**FSE: NW50 inline spray head (stainless steel)****Art. 3535**

Klick me! (Image similar)

Spray head with internal spray nozzle.

Use: Coating ceilings, walls, basement ceilings with mineral wool, cellulose or other damp spray insulation materials.

Hose connection: NW50

Water connection: Hose connector with a diameter of 6 mm

Recommended water pressure: 10-25 bar

Water nozzle.

## Optional extras:

Different nozzle use for small or large water processing rate.

**FSE: NW50 typll inline spray head (Aluminium)****Art. 4781**

Klick me! (Image similar)

Inline spray head suitable for coating with mineral wool, for example daussan.

Hose connection: NW50

Material: Aluminium

Weight: approx. 0.52 kg (without valve)

Dimensions: approx. 230 x 65 (L x D)

**FSE: Spray head, Inline- type III (plastic) NW50 - set complete****Art. 5099**

Klick me! (Image similar)

Inline-spray head for applications with damp-spraying

## Suitable for/as:

- Open blowing with addition of water
- Hose connector with humidifying function (Inline-humidifier), for dust reduction during the blowing process (De-Dust)

## Advantages:

- Dust reduction during the blowing process

**06 Damp spray**

- Bundled material flow
- Less material waste
- Easy and quick installation

-----  
Technical details:

- Dimensions (LxW): approx. 130x110mm
- Weight: approx. 235g
- Hose connection: NW50 (2")
- Connection water pipe: NW12
- Number of nozzles: 1
- Pressure range: <20bar
- Amount of water: <2,5l/min.
- Material: plastic

-----  
Notes:

- When desired, the hose connection can be equipped with a different plug system or a hose nozzle.
- In combination with a magnetic valve, the water flow can be stopped when switching the machine off.
- The Inline-humidification is possible by connecting a diaphragm pump or by connecting the system to a tap connector.

-----  
Optional accessories:

- Rotary hose connector SDV50 (prod. no. 6522)
- Hose connector NW50 (2"), stainless steel (prod. no. 235)
- Reducer tube connector NW 75>50 (aluminium) (prod. no. 1262)
- Reducer tube connector NW 50>38 (aluminium) (prod. no. 1263)
- Reducer tube connector NW 63>50 (aluminium) (prod. no. 1264)
- FSE: Diaphragm pump p=20bar (prod. no. 206)
- Magnetic valve, 2/2-ways, G 1/4" (prod. no. 8334)
- FSE: One-hand connector 1/4" (prod. no. 577)
- FSE: One-hand coupling 1/4" (prod. no. 576)
- FSE: High pressure hose, suitable for high pressure pumping system, available in lengths 15/30/50m (prod. no. 715/5054/5055)

**FSE: Spray head, Inline-type III (plastic) NW63 - set complete****Art. 7841**

Klick me! (Image similar)

Inline-spray head for applications with damp-spraying

-----  
Suitable for/as:

- Open blowing with addition of water
- Hose connector with humidifying function (Inline-humidifier), for dust reduction during the blowing process (De-Dust)

-----  
Advantages:

- Dust reduction during the blowing process
- Bundled material flow
- Less material waste
- Easy and quick installation

-----  
Technical details:

- Dimensions (LxW): approx. 130x110mm
- Weight: approx. 235g
- Hose connection: NW63 (2,5")
- Connection water pipe: NW12
- Number of nozzles: 1
- Pressure range: <20bar
- Amount of water: <2,5l/min.
- Material: plastic

-----  
Notes:

- When desired, the hose connection can be equipped with a different plug system or a hose nozzle.
- In combination with a magnetic valve, the water flow can be stopped when switching the machine off.
- The Inline-humidification is possible by connecting a diaphragm pump or by connecting the system to a tap connector.

-----  
Optional accessories:

- Rotary hose connector SDV63 (prod. no. 6896)
- Hose connector NW63 (2,5"), stainless steel (prod. no. 236)
- Reducer tube connector NW 63>38 (aluminium) (prod. no. 1970)
- Reducer tube connector NW 75>63 (aluminium) (prod. no. 1261)
- Reducer tube connector NW 63>50 (aluminium) (prod. no. 1264)
- FSE: Diaphragm pump p=20bar (prod. no. 206)
- Magnetic valve, 2/2-ways, G 1/4" (prod. no. 8334)
- FSE: One-hand connector 1/4" (prod. no. 577)
- FSE: One-hand coupling 1/4" (prod. no. 576)
- FSE: High pressure hose, suitable for high pressure pumping system, available in lengths 15/30/50m (prod. no. 715/5054/5055)

**06 Damp spray****FSE: Spray head, Inline- type III (plastic) NW75 - set complete**

Art. 7842



Klick me! (Image similair)

Inline-spray head for applications with damp-spraying

Suitable for/as:

- Open blowing with addition of water
- Hose connector with humidifying function (Inline-humidifier), for dust reduction during the blowing process (De-Dust)

Advantages:

- Dust reduction during the blowing process
- Bundled material flow
- Less material waste
- Easy and quick installation

Technical details:

- Dimensions (LxW): approx. 130x110mm
- Weight: approx. 235g
- Hose connection: NW75 (3")
- Connection water pipe: NW12
- Number of nozzles: 1
- Pressure range: <20bar
- Amount of water: <2,5l/min.
- Material: plastic

Notes:

- When desired, the hose connection can be equipped with a different plug system or a hose nozzle.
- In combination with a magnetic valve, the water flow can be stopped when switching the machine off.
- The Inline-humidification is possible by connecting a diaphragm pump or by connecting the system to a tap connector.

Optional accessories:

- Rotary hose connector SDV75 (prod. no. 4451)
- Hose connector NW75 (3"), stainless steel (prod. no. 033)
- Reducer tube connector NW 102>75 (aluminium) (prod. no. 6642)
- Reducer tube connector NW 90>75 (aluminium) (prod. no. 1971)
- Reducer tube connector NW 75>63 (aluminium) (prod. no. 1261)
- Reducer tube connector NW 75>50 (aluminium) (prod. no. 1262)
- FSE: Diaphragm pump p=20bar (prod. no. 206)
- Magnetic valve, 2/2-ways, G 1/4" (prod. no. 8334)
- FSE: One-hand connector 1/4" (prod. no. 577)
- FSE: One-hand coupling 1/4" (prod. no. 576)
- FSE: High pressure hose, suitable for high pressure pumping system, available in lengths 15/30/50m (prod. no. 715/5054/5055)

**FSE: Spray pipe / Terminator NW63 (2 1/2"), M03**

Art. 1494



Klick me! (Image similair)

Spray head with handle, one gate valve for opening, closing and regulating, completely assembled stainless steel nozzle set with ball-and-socket joint, ready for connection to a high pressure pumping system of up to 50bar, operating instructions. Warranty in conjunction with the X-Floc high pressure piston pump.

Dimensions.: L=approx. 750mm, D=63mm

Area of application:

- Damp open spraying of domed roofs.
- open spraying on to a wall
- open spraying on to ceilings possible in conjunction with adhesive.

Moisture input can be regulated by approx. 15-20% (based on cellulose) (before approx. 10-12%, after approx. 25-30% moisture content)

Function description:

The material flow (NW63, 2 1/2" hose connection) is aligned through the 2 1/2" terminator main pipe and then moistened and accelerated by the externally mounted spray nozzles (approx. 10-40 bar water pressure is recommended). It is then possible to spray the evenly moistened material over long distances with minimal dust creation.

Field of application: Large open partitions, church arches, stud walls, termoträ spraying, etc.

**FSE: Spray pipe / terminator NW75 (3"), M03**

Art. 1720



Klick me! (Image similair)

Spray head with handle, one gate valve for opening, closing and regulating, completely assembled stainless steel nozzle set with ball-and-socket joint, ready for connection to a high pressure pumping system of up to 50bar, operating instructions. Warranty in conjunction with the X-Floc high pressure piston pump.

Dimensions: L=approx. 400mm (variable), D=75mm

Area of application:

- Damp open spraying of domed roofs.
- open spraying on to a wall
- open spraying on to ceilings in conjunction with adhesive.

Moisture input can be regulated by approx. 15-20% (based on cellulose) (before approx. 10-12%, after approx. 25-30% moisture content)

Function description:

The material flow (NW75, 3" hose connection) is aligned through the terminator main pipe and then moistened and accelerated by the externally mounted spray nozzles (approx. 10-40 bar water pressure is recommended). It is then possible to spray the evenly moistened material over long distances with minimal dust creation.

Field of application: Large open partitions, church arches etc.

See operating instructionsB

**07 Measurement devices**

# Delivery list with illustrations

Last updated: 16.11.2017

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## 07 Measurement devices

### Measurement equipment: NW100 density testing set

Art. 3770



Klick me! (Image similar)

Density testing set for checking the installation density of loose insulation materials, e.g. cellulose, wood fibre, mineral insulation etc.

Technical details (based on cellulose insulation):  
 Measurement range: 40-400mm  
 Density range: 25-90 kg/cbm

Consists of:  
 - Sharp edged pipe, L= 500mm with scale  
 - Scales, up to 2200gg, battery operation (2 AA batteries included)

Options:  
 - Mains adaptor for scales (prod. no. 2342)  
 - Various hole saws, please inquire if interested  
 - Matching case with foam insert (prod. no. 4170)  
 - Prolonged pipe, L= approx. 80cm (on request, prod. no. 6885)

### Measuring equipment: NW100 density testing set with case.

Art. 4348



Klick me! (Image similar)

Density testing set for checking the installation density of loose insulation materials, e.g. cellulose, wood fibre, mineral insulation etc.

Technical details (based on cellulose insulation):  
 Measurement range: 40-400mm  
 Density range: 25-90 kg/cbm

Consists of:  
 - Sharp edged pipe, L= 500mm with scale  
 - Scales, up to 2200gg, battery operation (2 AA batteries included)  
 - Matching case with foam insert

Options:  
 - Mains adaptor for scales (prod. no. 2342)  
 - Various hole saws, please inquire if interested  
 - Prolonged pipe, L= approx. 80cm (on request, prod. no. 6885, but not with case)

### Measuring Devices: Density Testing Set NW100 with Case

Art. 8383



Klick me! (Image similar)

Density testing set for checking the installation density of loose insulation materials, e.g. cellulose, wood fibre, mineral insulation etc.

Technical details (based on cellulose insulation):  
 Measurement range: 40-400mm  
 Density range: 25-90 kg/cbm

Consists of:  
 - Sharp edged pipe, L= 500mm with scale  
 - Scales, up to 2200gg, battery operation (2 AA batteries included)  
 - Matching case  
 - Hole saw with ejection system D=105mm

Options:  
 - Mains adaptor for scales (prod. no. 2342)  
 - Prolonged pipe, L= approx. 80cm (on request, prod. no. 6885, but not with case)

### Measuring equipment: NW100 density testing set with case and mains adaptor.

Art. 5347



Klick me! (Image similar)

Density testing set for checking the installation density of loose insulation materials, e.g. cellulose, wood fibre, mineral insulation etc.

Technical details (based on cellulose insulation):  
 Measurement range: 40-400mm  
 Density range: 25-90 kg/cbm

Consists of:  
 - Sharp edged pipe, L= 500mm with scale  
 - Scales, up to 2200gg, battery operation (2 AA batteries included)  
 - Matching case with foam insert  
 - Mains adaptor for scales

Options:  
 - Various hole saws, please inquire if interested  
 - Prolonged pipe, L= approx. 80cm (on request, prod. no. 6885, not with case)

**07 Measurement devices**

**Measuring equipment: NW100 density testing set with case, mains adaptor and pad saw.**

**Art. 4349**



Density testing set for checking the installation density of loose insulation materials, e.g. cellulose, wood fibre, mineral insulation etc.

Technical details (based on cellulose insulation):  
 Measurement range: 40-400mm  
 Density range: 25-90 kg/cbm

Klick me! (Image similar)

- Consists of:
- Sharp edged pipe, L= 500mm with scale
  - Scales, up to 2200g, with mains adaptor, battery operation as alternative (2 AA batteries included)
  - Matching case with foam insert
  - Hole saw with ejection system D=105mm
  - Mains adaptor for scales

- Options:
- Prolonged pipe, L= approx. 80cm (on request, prod. no. 6885, not with case)

**Measurement equipment: Thickness gauge / Test panel for loose insulation (80g) acc. EN15101 and EN14064**

**Art. 4932**



Thickness gauge for determining installation thickness with open blowing of insulation material (in-situ formed loose fill cellulose -LFCI- and mineral wool -MW) according norm EN15101 and EN14064, consisting of:

- Test panel approx. 80g
- Test rod, L= approx. 500mm

Klick me! (Image similar)

- Notes:
- Smooth out any unevenness
  - Insert the test rod through the test panel, so there is a maximum distance between the test panel and the test probe
  - Pierce the test rod to the bottom of the insulation layer
  - Carefully lay the test panel on the insulation layer
  - Let the weight of the test panel rest
  - Measure the length of the test rod from the test probe to the test panel
  - Repeat the test in different areas of the insulation (for example in 10 different places), calculate the average

**Measurement equipment: pressure gauge, D=117mm**

**Art. 7079**



Description: Pressure gauge for testing airlock pressure, measurement range 0-0.6bar  
 Diameter: approx. 117mm

\*\*\*\*\*  
 NEW: with practical protective rubber cap.  
 \*\*\*\*\*

Klick me! (Image similar)

**Measurement Equipment: Borescope with LED lightning**

**Art. 5896**



The new, inflexible, wireless and innovative borescope provides an excellent image quality, super bright lightning, compact design as well as a fully wireless operation at a favourable price without any follow-up costs (spare bulbs). An extremely bright miniature light-emitting diode (approx. 200% higher lighting performance than the 6V halogen bulb on the previous model) makes this borescope perfect for applications in the building redevelopment sector. The power supply is provided by an integrated lithium-ion battery. With this battery, the borescope can be operated wirelessly and without an external power supply. An improved optical system and a fix-focus-ocular delivers brilliant pictures with a depth of field of approx. 2mm to infinity. A picture- or video documentation is optionally available. The particularly robust design ensures a reliable operation of the borescope, even in daily operation under harsh conditions.

Klick me! (Image similar)

- Characteristics/Technical Data:
- Effective length 310mm, total length 440mm, probe diameter 9mm
  - Viewing direction 90°, lateral, angle of view approx. 60°
  - Rotating borescope probe
  - Compact design, weight with integrated battery only 230g
  - Extremely bright, white light with integrated high-power LED, adjustable brightness, low heat build-up, long LED lifetime, no follow-up costs by replacing bulbs
  - Battery operation with built-in lithium-ion battery (5V/2A), no disturbing connection cable, long operating time (charging cable inclusive)

- Applications:
- The borescope is especially suitable for internal control and inspection of
- Insulation in cavity walls of masonry
  - Beam- and wooden constructions
  - Building redevelopment
  - Heating- and ventilation systems
  - Sanitary facilities
  - Castings
  - Rock drilling
  - Covert cables and wiring

- Optional accessories:
- Digital camera
  - Adapter for camera (prod. no. 5984)

**07 Measurement devices****Measurement Equipment: Borescope with LED lightning****Art. 8519**Bild leider nicht  
verfügbarImage not available  
Klick me! (Image similial)

The new, inflexible, wireless and innovative borescope provides an excellent image quality, super bright lightning, compact design as well as a fully wireless operation at a favourable price without any follow-up costs (spare bulbs). An extremely bright miniature light-emitting diode (approx. 200% higher lighting performance than the 6V halogen bulb on the previous model) makes this borescope perfect for applications in the building redevelopment sector. The power supply is provided by an integrated lithium-ion battery. With this battery, the borescope can be operated wirelessly and without an external power supply. An improved optical system and a fix-focus-ocular delivers brilliant pictures with a depth of field of approx. 2mm to infinity. A picture- or video documentation is optionally available. The particularly robust design ensures a reliable operation of the borescope, even in daily operation under harsh conditions.

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## Applications:

The borescope is especially suitable for internal control and inspection of

- Insulation in cavity walls of masonry
- Beam- and wooden constructions
- Building redevelopment
- Heating- and ventilation systems
- Sanitary facilities
- Castings
- Rock drilling
- Covert cables and wiring

## Optional accessories:

- Digital camera
- Adapter for camera (prod. no. 5984)

**Measuring devices: Test element 0,0175 m<sup>3</sup> according to EN 14064****Art. 5697**

Klick me! (Image similial)

Test element for testing the installation density when blowing-in mineral fibre core insulation according to EN 14064-2 annex C.

Inner volume: approx. 0,0175m<sup>3</sup>  
 Dimensions (outside): 570x530x109  
 Blow-in opening: Ø25mm  
 Material: Multiplex / metal  
 Weight: approx. 8kg

## Advantages:

- Practical box catches for quick emptying
- Firm stand
- Handle for an easy handling and weighing

## Options:

- Injection nozzle NW50>24 (prod. no. 3961)
- Injection nozzle NW50>24 AV (prod. no. 5692)
- Scale, digital- for testing basket (prod. no. 4544)

**Measurement device: 0.1 m<sup>3</sup> testing unit****Art. 3946**

Klick me! (Image similial)

Sturdy and airtight testing unit with removable door and plexiglass for the following applications:

- Test / demonstration of dry injection through an injection rosette with a hose (vertical/ angled/ horizontal).
- Test / demonstration of dry injection with a rotary nozzle through a drill hole (vertical).
- Test / demonstration of open blowing.
- Test / demonstration of damp-spraying.
- Test / demonstration lance injection (lance required).

Test volume: 0.10 cbm

Dimensions: W x D x H = approx. 550 x 334 x 920 mm

Unladen weight with doors: approx. 26 kg

## Recommended accessories:

- Cylinder saws D=106.5 (product no. 1506)
- Thickness gauge (product no. 1831)
- Density testing set (product no. 3770, 4348, 2348, 4349)
- Sealing sponge (product no. 292)

## Parcel service shipping:

Packaging costs of 15€ plus postage costs.

## Express delivery:

Shipping costs

**07 Measurement devices****Measurement devices: Testing basket (perforated metal crate) V=0.1m<sup>3</sup>****Art. 315**

Klick me! (Image similair)

Testing basket for loose insulation materials, made from galvanised steel. Confirms to certification standards.  
 V=0.1 cbm  
 Material: Electrolyte perforated sheet. or hot-dip galvanised.  
 Removable lid, two handles and two quick fasteners, drill hole of D=90mm  
 Weight: approx. 10 kg  
 Recommended accessories:  
 - Digital scales 0-40 kg (product no. 4544)  
 - Bent-lever balance, 0-22 kg (product no. 5983)

**Vibration Test Bench acc. to EN 15101-1****Art. 6342**

Klick me! (Image similair)

Testing apparatus for dry injected insulation materials

- Settlement determinations of
  - Dry injected cellulose insulation materials (LFCI) and other blowing insulation materials
  - Blowing insulation in walls, roofs and roof pitches
- According to the standard of EN 15101-1
- Compatibly test element (specimen box) 0.345/0.144 m<sup>3</sup> on request

The Vibration Test Bench serves for settlement determinations under vibrations. Thermal insulations of walls, roofs and roof pitches which have been blown-in with cellulose fibre or other insulation blowing materials can be checked. This testing device corresponds to the guidelines of standard EN 15101-1.

The Vibration Test Bench has a sturdy steel frame and a powder-coated surface. The locating plate can be tilt over continuous from 0° to 90°. Consequently the settlement of thermal insulations in walls, roofs and roof pitches can be checked. A precise adjustment of the incline is possible with the angular arc gauge.

Vibrations up to 5220 Hz can be regulated. This makes tests possible which are more difficult than the most demanding realistic conditions. The device is dimensioned for lifelike specimen boxes. The particular test element can be fixed with lashing straps on the locating plate. A g stand fixes the test element in the vertical axis.

This testing apparatus has been developed in a long lasting collaboration with the Ludwig Maximilians University Munich.

Technical data:

- Dimensions (L x W x H1/H2): approx. 1200 x 1300 x 1090/1760 mm
- Specimen box (W max./H max.): 1000/3000 mm
- Surface: Powder-coated RAL7035 (light grey)
- Swivel range: 0-90°
- Frequency max.: 87 Hz
- Vibrations max.: 5220 Hz
- Power rating: approx. 0.9 kW
- Power supply: 230 V / 50 Hz
- Unladen weight: approx. 270 kg

Optional extras:

- Test element for vibration test bench acc. to DIN-EN 15101-1 (Art.-Nr. 6475)
- Test element 0.1 m<sup>3</sup> for dry injection, injection holes up to Ø 90 mm (Prod no. 3946)
- Density test set NW100: Checks of installation density of blow-in thermal insulation (Prod. no. 3770)

**Impact Excitation Test Bench****Art. 4179**

Klick me! (Image similair)

Test rig for settling for the determination of settlement of loose fill insulation respective open blow insulating material. Suitable for test basket 0,1 m<sup>3</sup> or other test bodies. Test rig follows the specifications in the draft of the technical standard ISO/CD 18393 resp.. prEN 15101-1:2010

Lift table with 4 pieces linear units maintained.  
 Lift: 10 to 110 mm, adjustable in 5 steps.  
 Power supply: 230V / 50 Hz / PN  
 Power rating: Appr. 0,8kW  
 Lift velocity: stepless adjustable  
 Test cycles adjustable from 1...1000 (and more)  
 Maximum load: appr. 60 kg  
 Inclusive butt strap to clamp the test body  
 Rugged frame made of steel profiles, surface coated  
 Dimensions: appr. 750 x 750 x 670 (L x W x H)  
 Weight: appr. 100 kg

Options:

- Test basket Art.-number 315
- Test body Art.-number 3946

**Messgeräte: Tiefenmessnadel****Art. 2844**

Klick me! (Image similair)

English version in preparation: Nadel zur Dickenmessung einer Einblasdämmung oder Feuchtsprühdämmung.

Techn. Daten:

- Länge ca. 25cm
- inkl. Skala
- mit Spitze zum einfachen einstechen
- Mat.: Rostfreie Legierung

## Delivery list with illustrations

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### 07 Measurement devices

#### Measuring device: scale, analogue (22kg) with tape measure

Art. 5983



Digital scale for measuring the testing baskets or testing element.

Features:  
Measuring range from 0-22 kg  
With round display including 1 m measuring tape

Klick me! (Image similar)

#### Measurement device: Digital scale for testing basket.

Art. 4544



Digital scales for weighing the testing basket / determining the density.

Measurement range: 0-40kg  
Accuracy: +/-1% with >10 kg, +/-100g with 10kg.  
Batteries: 2 x AAA LR03  
Dimensions: 58 x 25 x 112 mm  
Weight: approx. 0.2 kg

Klick me! (Image similar)

### 08 Electrical accessories

#### FFB2000-Pro: 50m connection cable (coil)

Art. 5280



Connection cable or extension cable for FFB2000-pro control, ready for plug in to receiver, consists of:

- 50m data cable, 7x0.34 sq.mm (shielded, flexible, suitable for drag chains)
- 4-pole plug with quick acting lock
- 4-pole coupling with quick acting lock

Klick me! (Image similar)

#### 230V earthed-CEE power adapter, 10m coil

Art. 066



10m coil, H07RN-F 3G2,5  
On one end: Rubber two pin earthed plug with dual earthing, 16A  
On the other end: CEE-coupling, 3 pole, blue, 16A

Klick me! (Image similar)

#### 230V power adapter, two pin earthed Swiss coupling plug, 0.5m

Art. 4555



0.5m, H07RN-F 3G2,5  
On one end: Rubber Swiss plug, 10A  
On the other end: Rubber Swiss coupling, 16A

Klick me! (Image similar)

#### 230V power adapter, 25m reel with 3x earthed socket.

Art. 1174



25m coil on a hard rubber reel with sturdy double pipe frame, cable: H07RN-F 3G2.5  
One end: 230V two pin earthed plug, 3 pole, 16A  
Other end: 3 x earthed socket, 3 pole, 16A

Klick me! (Image similar)

#### 230V power adapter, 25m reel, CEE-CEE

Art. 2934



25m on blue/black reel, H07RN-F 3G2.5  
One end: CEE-plug, 3 pole, blue, 16A  
On the other end: CEE-coupling, 3 pole, blue, 16A

Klick me! (Image similar)

#### 230V power adapter, 25m reel, earthed-CEE

Art. 349



25m on a reel, red/black  
H07RN-F 3G2,5  
One end: Rubber two pin earthed plug, 16A  
On the other end: CEE-coupling, 3 pole, blue, 16A

Klick me! (Image similar)

**08 Electrical accessories****230V-400V 16A power adapter, 0.5m****Art. 4561**

Adapter cable, consists of H07RN-F 3G2.5  
 1. One end: 230V, 16A rubber plug, earthed  
 2. Other end: 400V CEE coupling, 16A, red

Length: 0.50m

Please note: Connect phase to L1 and L2 on the CEE coupling.

Please note: Only suitable for EM400: Additional blower extension module (product no.: 4048)

Klick me! (Image similar)

**Mains adapter 400V / 16A > 400V / 32A****Art. 5898**

- Housing made of high-strength special plastic
- Splash proof
- Versatile, space-saving, universal, mobile, robust and cheap
- Input: 1 CEE plug 16A
- Output: 1 CEE socket 16A + 1x -32A
- 2 Protective contact sockets 230V
- Suitable for construction sites: protection class IP 44

Klick me! (Image similar)

Note:

- The CEE plug cannot be connected directly to a feeding point (protruding nose). For connection, an extension cable is required (e.g. mains adapter 400V/16A, 10m ring, CEE prod. no. 348).

**Mains adapter 400V / 32A > 2x400V / 16A****Art. 5897**

- Input: 1 CEE plug 32A
- Output: 2 CEE sockets 16A
- 1 Protective contact socket 230V/16A
- Protection: 3 fuses type G 10A (not self-resetting device fuse, time-lag T10A, SPT 5x20mm, breaking capacity 1kA)
- Suitable for construction sites: protection class IP 44

Klick me! (Image similar)

Note:

- The CEE plug cannot be connected directly to a feeding point (protruding nose). For connection, an extension cable is required (see available/recommended accessories).

Available/recommended accessories:

- Mains adapter 400V/32A, 10m ring, CEE (prod. no. 6588, supply side)
- Mains adapter 400V/16A, 10m ring, CEE (prod. no. 348)
- Mains adapter 400V, 25m ring (prod. no. 2492)

**400V power adapter, 25m coil****Art. 2492**

H07RN-F 5G2.5  
 One end: CEE-plug, 5 pole, red, 16A  
 Other end: CEE-coupling, 5 pole, red, 16A

Klick me! (Image similar)

**400V power adapter, 10m coil, CEE****Art. 348**

10m as coil, H07RN-F 5G2.5  
 One end: CEE-plug, 5 pole, red, 16A  
 Other end: CEE-coupling, 5 pole, red, 16A

Klick me! (Image similar)

**Net adaptor 400V/230V, 25m cable reel - Pro****Art. 5805**

CEE-Pro-safety cable reel 400V, made from robust, shatterproof special plastic, shock-absorbing, massive, plastic-coated double-tube frames, ergonomic shaped handle, with 3-pin VDE-thermal circuit break and automatic function unit, 2 grounding socket 230V with safe hinged lid and "hammer symbol", 1 CEE-socket 5-pin 400V 16A. Mechanically, extremely resilient industrial piping, abrasion-resistant, oil-resistant. In visible orange colour.  
 Cable H07BQ-F 5G2,5.

Klick me! (Image similar)

**Net adaptor 400V/230V, 25m cable reel - Pro****Art. 8332**

CEE-Pro-safety cable reel 400V, made from robust, shatterproof special plastic, shock-absorbing, massive, plastic-coated double-tube frames, ergonomic shaped handle, with 3-pin VDE-thermal circuit break and automatic function unit, 2 grounding socket 230V with safe hinged lid and "hammer symbol", 1 CEE-socket 5-pin 400V 16A. Mechanically, extremely resilient industrial piping, abrasion-resistant, oil-resistant. In visible orange colour.  
 Cable H07BQ-F 5G2,5.

Klick me! (Image similar)

**08 Electrical accessories****Net adaptor 400V/230V, 30m cable reel - Pro****Art. 5806**

Klick me! (Image similair)

CEE-Profi-safety cable reel 400V, made from robust, shatterproof special plastic, shock-absorbing, massive, plastic-coated double-tube frames, ergonomic shaped handle, with 3-pin VDE-thermal circuit break and automatic function unit, 2 grounding socket 230V with safe hinged lid and "hammer symbol", 1 CEE-socket 5-pin 400V 16A. Mechanically, extremely resilient industrial piping, abrasion-resistant, oil-resistant. In visible orange colour.  
Cable H07BQ-F 5G2,5.

**Net adaptor 400V/230V, 40m cable reel - Prp****Art. 5807**

Klick me! (Image similair)

CEE-Profi- safety cable reel 400V, made from robust, shatterproof special plastic, shock-absorbing, massive, plastic-coated double-tube frames, ergonomic shaped handle, with 3-pin VDE-thermal circuit break and automatic function unit, 2 grounding socket 230V with safe hinged lid and "hammer symbol", 1 CEE-socket 5-pin 400V 16A. Mechanically, extremely resilient industrial piping, abrasion-resistant, oil-resistant. In visible orange colour.  
Cable H07BQ-F 5G1,5.

**400V power adapter, 10m coil, CEE****Art. 6588**

Klick me! (Image similair)

10m as coil, H07RN-F 5G2.5  
One end: CEE-plug, 5 pole, red, 132A  
Other end: CEE-coupling, 5 pole, red, 32A

**400V>230V power adapter, 0.50m****Art. 776**

Klick me! (Image similair)

Adapter cable, H07RN-F 3G2.5  
1. On one end: 400V CEE plug, 16A, red  
2. On the other end: 230V earthed rubber coupling.  
Length: 0.50m  
Please note: Only connect to one phase

**Phase comparator: 3-phase socket tester ST-16B****Art. 4723**

Klick me! (Image similair)

Features and information  
Fully automatic test run  
For three phase current.  
Description:  
Is your AC socket properly connected - better safe than sorry! Improperly connected sockets can cause considerable damage to connected devices.  
Equipment:  
Phase test (available/inverted)  
Direction of rotating field  
neutral conductor/phase test  
Technical data:  
CEE-16A plug  
Voltage range: 380 - 415 V/AC.  
LED display  
Phase detection: Yes  
Equipment grounding conductor: Yes.  
Power input: < 20 mA  
Overvoltage category CAT III 415 V  
Dimensions: (L x W x H) 115 x 68 x 40 mm  
Weight: 330 g

**400V phase- and neutral conductor monitor with cut-out protective system.****Art. 4553**

Klick me! (Image similair)

for checking the 3 phase 400V/50Hz power requirement with neutral conductor.  
Function description:  
Power supply monitoring with disconnection if faults occur. Robust IP65 metal casing construction, approx. 150x150x120mm with a control lamp.  
Description:  
Indicator light lights up: Neutral conductor, phase L1, L2, L3 available, rotating field clockwise.  
Indicator lamp off:  
- Rotating field anticlockwise and/or  
- Neutral conductor missing, or not potential free and/or  
- Phase L1 and/or L2 and/or L3 are missing.  
Phase sequence can be changed at the plug.  
Connection with a length of cable with CEE-male coupling and a length of cable with a CEE female coupling, both approx. 0.5m.  
400V/3x16A~/N/PE construction.

**08 Electrical accessories****Mains adapter test plug, 400V/16A****Art. 8849**

Klick me! (Image similar)

CEE test plug for checking a three-phase current supply.

Wiring errors and errors in the rotating field, as well as the lack of a phase at a CEE socket, can be detected easily and safely with this test plug.

The plug's housing is made of impact-resistant polyamide, the plug itself is splash-proof.

Technical details:

- Suitable for: 400V/16A
- Protective earthing position: 6h
- Protection class: IP44
- Test mark/test: CE, IEC 60309

**Mains adapter test plug, 400V/32A****Art. 8850**

Klick me! (Image similar)

CEE test plug for checking a three-phase current supply.

Wiring errors and errors in the rotating field, as well as the lack of a phase at a CEE socket, can be detected easily and safely with this test plug.

The plug's housing is made of impact-resistant polyamide, the plug itself is splash-proof.

Technical details:

- Suitable for: 400V/32A
- Protective earthing position: 6h
- Protection class: IP44
- Test mark/test: CE, IEC 60309

**Net adaptor 400V / 32A > 2x400V / 16A****Art. 7273**

Klick me! (Image similar)

Input: 1 CEE- plug 32A

Output: 2 CEE- sockets 16A

1 shockproof socket 230V/16A

Protection: 3 G-fuses 10A

(Device fuse cannot be reset, inertia T10A, SPT 5x20mm, breaking capacity 1kA)

Suitable for construction sites: protection classes IP 44

**400V CEE / 3x 230V earthed power distribution cube****Art. 5993**

Klick me! (Image similar)

Inlet: CEE plug (16A 400V 5 pole)

Outlet: 3x grounding sockets (16A 230V 3 pole).

**Power adapter power distribution unit, 400V-32A****Art. 3404**

Klick me! (Image similar)

Power distribution unit with plastic casing and tubular frame, suitable for all purposes, with circuit breaker.

Inlet: CEE plug, 400V, 32A, 5-pin with 2m H07RN-F 5G4 sq.mm

Outlet:

2 x CEE sockets 400V, 32A, 5-pin

2 x CEE-sockets 400V, 16A, 5-pin

4 x 230V, 16A grounding socket

1 x Fi-40A, 4-pole 0.03A covering all outlets

1 x LS 16A, 3P

2 x LS 16A, 1-pole

**10m, 230V extension power cable.****Art. 395**

Klick me! (Image similar)

Description: 10m extension cable, adapter cable H07RN-F3G2.5

1. On one end: 230V rubber plug

2. On the other end: 230V rubber coupling

**Control cable 25m PUR, ring (10-core, contact-plug-/socket)****Art. 8087**

Klick me! (Image similar)

Extension cable for X-Floc insulation blowing machines' remote controls

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as

- M95, M99 (certain models only), EM300, EM400, EM500

- KFB2000, FFB2000, FFB2000-Pro

Incompatibilities with insulation blowing machines of type M95 built before 2003 are possible. In this case, please ask our customer service for possible alternatives.

Technical data:

**08 Electrical accessories**

- Cable length: 25m
- Cable: PUR sheated cable 10 x 0,34mm<sup>2</sup>
- Plug/socket: Contact 8+1, plug with twistlock
- Weight: approx. 2,2kg

**Control cable 25m PUR, ring (7-core, contact-plug/socket)**

**Art. 2015**

Extension cable for X-Floc insulation blowing machines' remote controls



Klick me! (Image similiar)

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as  
 - M95, M99 (certain models only), EM300, EM400, EM500  
 - KFB2000, FFB2000, FFB2000-Pro

Functional limitations when operating the insulation blowing machines of type EM300, EM400 and EM500 in combination with a radio remote control FFB2000-Pro are possible. In this case, please ask our customer service for possible alternatives.

- Technical data:
- Cable length: 25m
  - Cable: PUR sheated cable 7 x 0,34mm<sup>2</sup>
  - Plug/socket: Contact 8+1, plug with twistlock
  - Weight: approx. 1,7kg

+++++ Attention, system change +++++  
 Since 2009, we only use plugs with twistlock.  
 Please check the thread at existing cable- or connection socket.  
 A socket with damaged thread must be replaced.

**Control cable 50m PUR on cable drum (10-core, contact-plug/socket)**

**Art. 8086**



Klick me! (Image similiar)

Extension cable for X-Floc insulation blowing machines' remote controls

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as  
 - M95, M99 (certain models only), EM300, EM400, EM500  
 - KFB2000, FFB2000, FFB2000-Pro

Incompatibilities with insulation blowing machines of type M95 built before 2003 are possible. In this case, please ask our customer service for possible alternatives.

- Technical details:
- Cable length: 50m
  - Cable drum made of galvanised steel
  - Cable: PUR sheated cable 10 x 0,34mm<sup>2</sup>
  - Plug/socket: Contact 8+1, plug with twistlock
  - Weight: approx. 5,7kg

Note:  
 As standard version, the cable drum enables an unwinding of the control cable off the drum to the desired length. After having unrolled the cable, the cable connector can be unwound from the plastic reel and connected to the machine control socket. The cable drum can be positioned near the machine.

On special request, the control cable on the drum can be rolled up in opposite direction. In this case, the cable drum cannot be positioned near the machine but must be set up at the site of use. Please specify the desired configuration when placing an order.

**Control cable 50m PUR on cable drum (7-core, contact-plug/socket)**

**Art. 1987**



Klick me! (Image similiar)

Extension cable for X-Floc insulation blowing machines' remote controls

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as  
 - M95, M99 (certain models only), EM300, EM400, EM500  
 - KFB2000, FFB2000, FFB2000-Pro

Functional limitations when operating the insulation blowing machines of type EM300, EM400 and EM500 in combination with a radio remote control FFB2000-Pro are possible. In this case, please ask our customer service for possible alternatives.

- Technical details:
- Cable length: 50m
  - Cable drum made of galvanised steel
  - Cable: PUR sheated cable 7 x 0,34mm<sup>2</sup>
  - Plug/socket: Contact 8+1, plug with twistlock

**08 Electrical accessories**

- Weight: approx. 5,3kg

Note:

As standard version, the cable drum enables an unwinding of the control cable off the drum to the desired length. After having unrolled the cable, the cable connector can be unwound from the plastic reel and connected to the machine control socket. The cable drum can be positioned near the machine.

On special request, the control cable on the drum can be rolled up in opposite direction. In this case, the cable drum cannot be positioned near the machine but must be set up at the site of use. Please specify the desired configuration when placing an order.

+++ Attention, system change +++

Since 2009, we only use plugs with twistlock.

Please check the thread at existing cable- or connection socket.

A socket with damaged thread must be replaced.

**Control cable 50m PUR, ring (10-core, contact-plug/socket)**

**Art. 7208**

Extension cable for X-Floc insulation blowing machines' remote controls



Klick me! (Image similiar)

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as  
 - M95, M99 (certain models only), EM300, EM400, EM500  
 - KFB2000, FFB2000, FFB2000-Pro

Incompatibilities with insulation blowing machines of type M95 built before 2003 are possible. In this case, please ask our customer service for possible alternatives.

Technical data:

- Cable length: 50m
- Cable: PUR sheated cable 10 x 0,34mm<sup>2</sup>
- Plug/socket: Contact 8+1, plug with twistlock
- Weight: approx. 4,2kg

**Control cable 50m PUR, ring (7-core, contact-plug/socket)**

**Art. 2166**

Extension cable for X-Floc insulation blowing machines' remote controls



Klick me! (Image similiar)

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as  
 - M95, M99 (certain models only), EM300, EM400, EM500  
 - KFB2000, FFB2000, FFB2000-Pro

Functional limitations when operating the insulation blowing machines of type EM300, EM400 and EM500 in combination with a radio remote control FFB2000-Pro are possible. In this case, please ask our customer service for possible alternatives.

Technical data:

- Cable length: 50m
- Cable: PUR sheated cable 7 x 0,34mm<sup>2</sup>
- Plug/socket: Contact 8+1, plug with twistlock
- Weight: approx. 3,2kg

+++++ Attention, system change +++++

Since 2009, we only use plugs with twistlock.

Please check the thread at existing cable- or connection socket.

A socket with damaged thread must be replaced.

+++++

**Control cable 5m PUR, ring (10-core, contact-plug/socket)**

**Art. 8088**

Extension cable for X-Floc insulation blowing machines' remote controls



Klick me! (Image similiar)

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as  
 - M95, M99 (certain models only), EM300, EM400, EM500  
 - KFB2000, FFB2000, FFB2000-Pro

Incompatibilities with insulation blowing machines of type M95 built before 2003 are possible. In this case, please ask our customer service for possible alternatives.

Technical data:

- Cable length: 5m
- Cable: PUR sheated cable 10 x 0,34mm<sup>2</sup>
- Plug/socket: Contact 8+1, plug with twistlock
- Weight: approx. 0,6kg

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## 08 Electrical accessories

### Control cable 5m PUR, ring (7-core, contact-plug/-socket)

Art. 5217



Klick me! (Image similiar)

Extension cable for X-Floc insulation blowing machines' remote controls

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as  
 - M95, M99 (certain models only), EM300, EM400, EM500  
 - KFB2000, FFB2000, FFB2000-Pro

Functional limitations when operating the insulation blowing machines of type EM300, EM400 and EM500 in combination with a radio remote control FFB2000-Pro are possible. In this case, please ask our customer service for possible alternatives.

Technical data:

- Cable length: 5m
- Cable: PUR sheated cable 7 x 0,34mm<sup>2</sup>
- Plug/socket: Contact 8+1, plug with twistlock
- Weight: approx. 0,5kg

+++++ Attention, system change +++++

Since 2009, we only use plugs with twistlock.  
 Please check the thread at existing cable- or connection socket.  
 A socket with damaged thread must be replaced.

+++++

### Minifant: Extension control cable L=25

Art. 1655

25 m



Klick me! (Image similiar)

Extension control cable for minifant M99 for the following uses:

- Connection and extension of receiver.
- Connection and extension of hand held controls

Attention, different design depending on the series version:

- A series: 4-wire cable
- B series: 7-wire cable

Please specify when ordering!

### Minifant: Extension control cable L=50m

Art. 1814

50 m



Klick me! (Image similiar)

Extension control cable for minifant M99 for the following uses:

- Connection and extension of receiver.
- Connection and extension of hand held controls

Attention, different design depending on the series version:

- A series: 4-wire cable
- B series: 7-wire cable

Please specify when ordering!

### Minifant: Extension control cable, L=50m, on cable reel

Art. 1882



Klick me! (Image similiar)

Extension control cable for minifant M99 for the following uses:

- Connection and extension of receiver.
- Connection and extension of hand held controls
- Cable wired to and wound on to reel.

Attention, different design depending on the series version:

- A series: 4-wire cable
- B series: 7-wire cable

Please specify when orderin!

### Twin-control adaptor 7+1 pole (M99, EM100)

Art. 2220



Klick me! (Image similiar)

Adaptor cable for twin operation of two Minifants M99/EM100 with a radio remote or a hand-held control (L= approx. 2,5m).

Connection:

1. Connect the radio remote or hand-held control to the control connector (Twin adaptor)
2. Connect the twin adaptor with both machine control sockets (7+1pole)

Important: both machines must be configured to "radio control / remote".

With disruptions with the Slave Machine, no engine protection is possible. Disruption is displayed, engine protection is not released.

Ask for the machine control connector (7+1pole) when ordering for guarantee the function.

### VS: Connecting control cable for control from the blowing machine (L=approx. 5m)

Art. 1856

5m



Klick me! (Image similiar)

Connection cable for operating amplifier/ vacuum units with external processing machines (e.g. zellofant M95). Consists of:

- Plug with insert 3+1 pole
- Cable, L= approx. 5 m
- Plug with pin insert 3+1 pole (machine end)

can be modified by customers to fit other machines.

Please note: Control voltage requirement 24V- (+/-5%)

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### 08 Electrical accessories

#### VS: Connection control cable for controlling via insulation blowing machine, L= approx. 25 m

Art. 1192



Klick me! (Image similar)

Connection control cable for operating an amplifier-/vacuum station via an insulation blowing machine.

- Consisting of:
- Plug with female insert, 3+1 poles
  - Cable, L= approx. 25 m
  - Plug with male insert, 3+1 poles (machine's side)

- Notes:
- Modifiable by customer, for adaptation to other machines
  - Control voltage supply 24V- (+/-5%)

#### VS: Connection control cable for controlling via insulation blowing machine, L= approx. 50 m

Art. 1193



Klick me! (Image similar)

Connection control cable for operating an amplifier-/vacuum station via an insulation blowing machine.

- Consisting of:
- Plug with female insert, 3+1 poles
  - Cable, L= approx. 50 m
  - Plug with male insert, 3+1 poles (machine's side)

- Notes:
- Modifiable by customer, for adaptation to other machines
  - Control voltage supply 24V- (+/-5%)

#### VS: Twin-control adapter

Art. 1739



Klick me! (Image similar)

For controlling multiple auxiliary devices (slaves, e.g. amplifier/vacuum unit) from one control unit (master, e.g. Zellofant M95 or Minifant M99).

#### Zellofant: KFB-twin-pack control adapter

Art. 457



Klick me! (Image similar)

Adapter cable for simultaneous operation of two M95 zellofant machines with a radio or cable remote control.

Connection:

1. Connect the radio or cable remote control to the twin-pack control adapter.
2. Connect machine 1 to the M connection point (master machine)
3. Connect machine 2 to the S connection point (slave machine)

Note: Motor protection for the slave machine is not possible. The fault will be displayed, but the machine will not cut out.

+++++ Note: system change +++++

From 2009 onwards we will only use lock-twist plugs.

Please check the thread of existing cable and extension sockets.

Sockets with damaged threads must be replaced.

+++++

### 09 Spare parts

#### 6.7KW zellofant suction hood

Art. 4906



Klick me! (Image similar)

Suction hood for 6.7KW zellofants, for suction of air with a hose (D=90mm / 3") in low dust environments.

Powder coated finish  
Colour: Flame red RAL 3000

#### AS: Insulation respiratory protection EA3000 complete set

Art. 8318



Klick me! (Image similar)

Insulation respiratory protection EA3000 in complete set

Mobile respiratory protection for safe work in environments with particle loads. Released for the highest protection class TH3.

Suitable for:

- Safe work in environments with particle loads
- Daily work assignment

Advantages:

- Easy to operate and handy form
- Pleasant wearing comfort
- Ultralight
- Active air flow adjustment and automatic monitoring function
- Average operating time of up to approx. 9 hours, depending on the operation intensity

Technical details:

- Dimensions blower (LxBxT): approx. 21x21x6cm
- Weight blower (without filter and battery): approx. 640g
- Type of battery: Li-Ion battery
- Battery operating time: up to approx. 9 hours, depending on the operation intensity

**09 Spare parts**

- Battery charging time: approx. 6 hours
- Air performance: min. 160l/min., automatic adjustment
- Control panel: status display, battery display, alarm status (small amount of airflow, low battery charge)
- Volume of the blowers in during operation: <70dB
- Temperature range: -10°C to +50°C
- Protection class: TH3
- Approvals: EN12941 - CE0086

## Scope of delivery:

- Respiratory protection blower
- Standard belt (overall length approx. 120cm)
- Face shield with anti-fogging viewing glass, face seal and wide elastic headband
- Breathing hose with bajonet catch
- 2x particle filters incl. Prefilter sets (prefilter holders and prefilters)
- Rechargeable battery incl. Charging cradle, charger and several connectors

## Optional accessories:

- Long-life rechargeable battery with an operating time up to approx. 18 hours (prod. No. 8321)
- Standard rechargeable battery (prod. No. 8322)
- Comfort belt (prod. No. 8323)
- AS Automask face seal (prod. No. 701)

**AS Proflow: Shoulder strap****Art. 4670**

Suspender-carrying strap for secure and comfortable fit with the breathing protection-blowing unit.



Klick me! (Image similiar)

**DDE: Pad saw with ejection system: HSS drill****Art. 5032**

Use: For all pad saws with ejection systems



Klick me! (Image similiar)

**DDE: Pad saw with ejection system: SDS drill****Art. 6492**

Use: For all pad saws with ejection systems and SDS brackets.



Klick me! (Image similiar)

**Dichtlappensatz für Krendl 1000 (313x166) Gummi hochfest****Art. 5441**

English version in preparation: bestehend aus 6 Stück Dichtungslappen, aus Gummi (schwarz) mit 2 Einlagen



Klick me! (Image similiar)

**EM100 gasket set****Art. 3782**

Consists of 6 special rubber gaskets.  
Centre gaskets when fitting them. After fitting, allow the machine to run for approx. one hour in test mode to break in the gaskets.



Klick me! (Image similiar)

**Gasket set EM4XX, L=307 made from rubber****Art. 3762**

Compatible with the EM400, rubber seals (6 pieces) with improved sealing and longer service life.  
Temperature: -10°C...50°C  
6 pieces finished for installation in the airlock

+++ Pay attention to the installation information! Run-in period after exchange at least 2h! +++



Klick me! (Image similiar)

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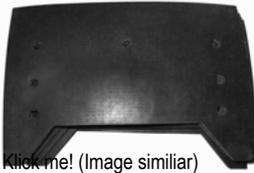
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## 09 Spare parts

### Durable rubber gaskets, force/2 (206x140,5)

Art. 1871

Consists of 6 durable rubber gaskets.



Klick me! (Image similiar)

### M95 durable rubber gasket set (L=230 mm).

Art. 8238

Suitable for M95H zellofant (L=230). Six rubber gaskets with improved sealing and longer operating life.

Temperature: -10°C - 50°C

6 units ready to be fitted into the M95H airlock, +++ Installation information must be adhered to! Centre gaskets when fitting them. The machine should be warmed up for at least 2 hours before use! +++



Klick me! (Image similiar)

### Gasket set ISOblow Profi / 5 chambers, high-strength

Art. 2909

Gasket set compatible with the ISOblow Profi / 5 chamber (machine product: ISOCELL)

Consisting of 5 piece sealing lips with holes out of high-strength, extremely low-wear insulation material with a very high service life.



Klick me! (Image similiar)

### Gasket set ISOblow Standard / Standard Plus, 6 chambers, high-strength

Art. 5915

Gasket set ideal for ISOblow Standard / Standard Plus / 6 chambers (Machine manufacturer: ISOCELL)

Consists of 6 piece sealing lips with holes made from high-strength, extremely low-wear sealing material with very high service life.



Klick me! (Image similiar)

### Isoflocer / Minifloc gasket set (169x122), made from durable rubber.

Art. 4795

Washer set (6 unit), made from durable rubber with fabric lining.

+++++

Not identical to the original washers, so additional shaft sealing with silicone or rubber surround on the airlock shaft side may be required. Take care when choosing the installation position!

+++++



Klick me! (Image similiar)

### Kematherm gasket set - 6 chambers (295x123), durable rubber

Art. 3167

Gasket set for kematherm / 6 chambers  
Material.: Rubber, s=approx. 5.5mm (replica)



Klick me! (Image similiar)

### Krendl 1000 durable rubber gasket set (313x166).

Art. 2602

consists of 6 rubber gaskets (black), with two fabric layers.



Klick me! (Image similiar)

### Krendl 500 gasket set (258x167) made from durable rubber.

Art. 1989

consists of 6 rubber gaskets (black), with two fabric layers.



Klick me! (Image similiar)

**09 Spare parts****M95 durable rubber gasket set (L=200 mm)****Art. 1503**

Suitable for 400V M95 zellofant (L=200) or 230V M95 zellofant (L=200). Six rubber gaskets with improved sealing and longer operating life.  
 Temperature: -10°C - 50°C  
 6 units ready to be fitted into the M95 airlock, +++ Installation information must be adhered to! Centre gaskets when fitting them. The machine should be warmed up for at least 2 hours before use! +++

Klick me! (Image similiar)

**M95 durable rubber gasket set (L=230 mm).****Art. 1760**

Suitable for M95H zellofant (L=230). Six rubber gaskets with improved sealing and longer operating life.  
 Temperature: -10°C - 50°C  
 6 units ready to be fitted into the M95H airlock, +++ Installation information must be adhered to! Centre gaskets when fitting them. The machine should be warmed up for at least 2 hours before use! +++

Klick me! (Image similiar)

**M99 Minifant durable rubber gasket set.****Art. 1504**

Six rubber gaskets with improved sealing and longer operating life.  
 Temperature: -10°C - 50°C  
 6 units ready to be fitted into the M95 airlock,  
 +++ Installation instructions must be followed! Centre gaskets when fitting them. The machine should be warmed up for at least 2 hours before use! +++

Klick me! (Image similiar)

**SHS 1 - 6 chambers (168x113.5) felt gasket set.****Art. 2538**

SHS 1 / 6 chambers gasket set.  
 Material.: Felt, s=approx. 5.5mm (replica)  
 Optional / accessories: Sheet steel base plate, completely assembled, ready for fitting into the airlock.

Klick me! (Image similiar)

**SHS 1 - 8 chambers (168x113.05) felt gasket set.****Art. 1912**

SHS 1 / 8 chambers gasket set.  
 Material.: Felt, s=approx. 5.5mm (replica)  
 Optional / accessories: Sheet steel base plate, completely assembled, ready for fitting into the airlock.

Klick me! (Image similiar)

**SHS 2 - 6 chambers (207x113.5) durable rubber gasket set.****Art. 3617**

SHS 1 / 6 chambers gasket set.  
 Material.: Rubber, s=approx. 5.5mm (replica)

Klick me! (Image similiar)

**SHS 2 - 8 chambers (207x113.5) durable rubber gasket set.****Art. 4763**

Washer set for SHS 2 / 8 chambers.  
 Material.: Rubber, s=approx. 5.5mm (replica)

Klick me! (Image similiar)

**SHS 2 - 8 chambers (207x113.5) rubber gasket set.****Art. 4762**

SHS 2 / 8 chambers washer set including completely assembled base plate.  
 Material.: Rubber, s=approx. 5.5mm (replica)  
 Material Base plate: Sheet steel, s= 3.0mm

Klick me! (Image similiar)

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### 09 Spare parts

#### SHS 2 (207x112) felt gasket set, screwed.

Art. 3963

For SHS2-airlocks, screwed gasket and clamp sheet models.



Klick me! (Image similar)

#### SHS 2.5 - 8 chambers (302x112) felt gasket set.

Art. 1761

Gasket set for SHS 2.5 / 8 chambers  
Material.: Felt, s=approx. 5.5mm (replica)



Klick me! (Image similar)

#### SHS 2.5 - 8 chambers (302x113) durable rubber gasket set.

Art. 2151

Washer set for SHS 2 / 8 chambers.  
Material.: Rubber, s=approx. 5.5mm (replica)



Klick me! (Image similar)

#### Gasket set SHS 3 - 6 chambers (383x112mm) rubber, complete

Art. 5152



Klick me! (Image similar)

#### Gasket set SHS 3 - 6 chambers (386x111mm) high-strength rubber

Art. 3405

Sealing set for SHS3 / 6 chambers  
Mat.: rubber s= approx. 5.5mm  
For screwed version



Klick me! (Image similar)

#### Gasket set SHS 3 - 8 chambers (383x112mm) high-strength rubber

Art. 3506

Sealing set for SHS3 / 8 chambers  
Material: rubber s= approx. 5.5mm  
for screwed version



Klick me! (Image similar)

#### Gasket Set SHS 3-8 chambers 383x112mm complete rubber

Art. 5791

English version in preparation:



Klick me! (Image similar)

#### SHS Minifloc gasket set with chamfered edges.

Art. 4459

Airlock washer set consists of:  
6 piece felt airlock washer set suitable for minifloc.



Klick me! (Image similar)

**09 Spare parts****Dichtlappensatz ISOblow Standard / Standard Plus, hochfest****Art. 6073**

English version in preparation: Dichtlappensatz passend für ISOblow Standard / Standard Plus / 6 Kammern  
(Maschinenfabrikat: ISOCELL)  
Bestehend aus 6 Stück Dichtlippen mit Lochungen aus hochfestem, extrem verschleißarmen Dichtmaterial mit sehr hoher Standzeit.

Klick me! (Image similiar)

**Air filter mat L=290 B=225 made from viledon****Art. 3450**

Minifant: suction hood series E complete and compact amplifier station 2,8kW

Klick me! (Image similiar)

**Viledon air filter mat. L=430 B=210****Art. 3500**

Klick me! (Image similiar)

**Air filter pad (288x288x25) EM3XX, EM4XX, EM5XX****Art. 4653**

Air filter element compatible for all X-Floc machines which are equipped with the incoming air filter "ALF".

Special filter foam material 25mm  
Dimensions: 288x288mm

Klick me! (Image similiar)

**Air filter cell 323 x 290 x 24 mm, s=1" (M95)****Art. 1642**

- Filter cell with pleated, single layer filter material
- Cardboard spacer for setting the pleat spacing.
- Sturdy cardboard frame

Klick me! (Image similiar)

**Minifant: Conversion kit for converting D series machines to E series.****Art. 3542**

Kit for converting M99D minifants (supplied up to November 2008) to M99E models.  
Contains all the necessary components such as a suction hood, a filter, a blower console, a hose, a second check valve, hose clamps and small parts.

Klick me! (Image similiar)

**Minifant: Conversion kit for converting D series machines to F series.****Art. 6191**

Kit for converting M99D minifants (supplied up to November 2008) to M99F models.  
Contains all the necessary components such as a suction hood, a filter, a blower console, a hose, a second check valve, hose clamps and small parts.

Klick me! (Image similiar)

**Factory-fill: EP800-NW75-Blowing Panel for industrial element filling****Art. 7992**

The X-Floc blowing panel EP800-NW75 for industrial element filling.  
Individual and custom-made solutions for insulating prefabricated components with certified insulation materials, for example cellulose, wood fibre and many more.

Advantages:

- Quick and efficient insulation
- Simplified production steps
- Easy-to-understand insulation control
- Uniform insulation result due to five blowing openings
- Precise quality control via display
- Simple selection of the element geometry
- Easy activation/deactivation of the blowing nozzles

Klick me! (Image similiar)

**09 Spare parts**

- Automatic element filling with a homogeneous density
- Logging of the insulation process (insulation mass, insulation time, project name, element designations, parameter settings)

## Technical details:

Dimensions: approx. 3200x900x500mm (LxWxH, special dimensions on request)

Weight: approx. 250-350kg / depending on the version

Power supply: 230V / 50Hz / 16A

Blowing openings: 5 pieces

Required compressed air: filtered, 6-8 bar

Throughput: depending on the insulation material up to 1000kg/h

Control: SPS with touchscreen

Quality control: automatic, in combination with the insulation blowing machine's weighing unit

Networking with X-Floc insulation blowing machines for an automatic insulation process possible.

Insulation process: system operated / automatic

## Operation:

SPS control with touchscreen operation, with individual control of all five blowing openings.

Manual positioning on the cavity to be filled.

## Evaluation:

The settings, insulation time, insulation amount of the respective element and the element's overall weight will be saved and serve the purposes of quality control.

## Notes:

Each company has different processes, constructions and customer requirements.

With an individual customer service, we can adapt the insulation system to your individual needs.

This way, you can realize the maximum benefits for your processes. Feel free to contact us!

## Options:

- Compressor, compressed air- (0,74kW) (prod. no. 7794)

- SPS: LAN-to-LAN industrial router (prod. no. 7501)

**Shredding arm - deflection element universal****Art. 8358**

Klick me! (Image similar)

Deflection element for fastening to the hopper's inner side

## Suitable for

- the installation into X-Floc insulation blowing machines of type Zellofant M95

## Advantages

- A fine zigzag structure enables a good ripping of the insulation material
- Compacted pieces of material, which won't be broken completely, will be conditioned

## Technical details

- Dimensions: approx. 170x81x40mm (LxBxT)

- Weight: approx. 0,6kg

- Material: steel

- Amount of teeth: 3 pieces

## Note

We recommend the installation of two deflection elements. Alternatively, up to three elements can be installed.

## Scope of delivery

- 1x Deflection element
- Installation instructions

**Shredding arm universal****Art. 7889**

Klick me! (Image similar)

Shredding arm for the installation into X-Floc insulation blowing machines of type Zellofant M95

## Advantages

- The straight version with straight cutting wedges at the outer side enables a good ripping of the insulation material
- Welded-on material disturbing elements enable a breaking up and a conditioning of heavily compacted pieces of material

## Technical details

- Dimensions: approx. 720x40x88mm (LxWxH)

- Weight: approx. 3,2kg

- Material: steel

**10 Worker protection****X-Floc overall khaki, Size L****Art. 3741**

Klick me! (Image similar)

Overalls suitable for most building sites, with the following features:

- Elasticated hood
- Zip on front
- 2 sealable side pockets.
- 1 breast pocket with zip (left)
- Two side reach-in pockets with velcro
- Adjustable waistband (knopflochgummi)
- Stretchy cuffs
- Thigh pocket (left)

**10 Worker protection**

- Reinforced knee pads with velcro pockets to accomodate knee pads.
- Colour: Khaki
- 65PE/35Bw

**X-Floc overall khaki, Size M**

**Art. 3952**



Klick me! (Image similiar)

- Overalls suitable for most building sites, with the following features:
- Elasticated hood
  - Zip on front
  - 2 sealable side pockets.
  - 1 breast pocket with zip (left)
  - Two side reach-in pockets with velcro
  - Adjustable waistband (knopflochgummi)
  - Stretchy cuffs
  - Thigh pocket (left)
  - Reinforced knee pads with velcro pockets to accomodate knee pads.
  - Colour: Khaki

**X-Floc overall khaki, Size XL**

**Art. 3673**



Klick me! (Image similiar)

- Overalls suitable for most building sites, with the following features:
- Elasticated hood
  - Zip on front
  - 2 sealable side pockets.
  - 1 breast pocket with zip (left)
  - Two side reach-in pockets with velcro
  - Adjustable waistband (knopflochgummi)
  - Stretchy cuffs
  - Thigh pocket (left)
  - Reinforced knee pads with velcro pockets to accomodate knee pads.
  - Colour: Khaki
  - 65PE/35Bw

**X-Floc overall khaki, Size XXL**

**Art. 3674**



Klick me! (Image similiar)

- Overalls suitable for most building sites, with the following features:
- Elasticated hood
  - Zip on front
  - 2 sealable side pockets.
  - 1 breast pocket with zip (left)
  - Two side reach-in pockets with velcro
  - Adjustable waistband (knopflochgummi)
  - Stretchy cuffs
  - Thigh pocket (left)
  - Reinforced knee pads with velcro pockets to accomodate knee pads.
  - Colour: Khaki
  - Size: XXL
  - 65PE/35Bw

**AS Kemira: Fine dust mask FFP2 with exhalation valve**

**Art. 1255**



Klick me! (Image similiar)

Breathing protection / work safety, in hygienic individual packaging, according to EN149:2001 (new standard)

**AS clean-air: Battery CA Dual Flow ++ only for devices released up to 31.12.04 ++**

**Art. 2152**

3.6 V / 4.5 Ah



Klick me! (Image similiar)

**AS clean-air: P3-filter**

**Art. 1838**



Klick me! (Image similiar)

## Delivery list with illustrations

Last updated: 16.11.2017

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### 10 Worker protection

#### [AS clean-air: pre-filter](#)

Art. 1860

VPE, 10 units



Klick me! (Image similiar)

#### [AS Kemira: Accumulator 4.8V / 5Ah](#)

Art. 1154

4.8V / 9000mAh battery for "autoflow" blower unit.



Klick me! (Image similiar)

#### [AS Kemira: Automask face protection](#)

Art. 706

Face protection of the Autoflow/Proflow breathing protection.

Attention:

Due to model change 2016/2017, only compatible with breathing protection devices of new design.  
Please take into account when reordering!

Alternative:

- AS: EA3000 Automask face protection (prod. no. 8391)



Klick me! (Image similiar)

#### [AS Kemira: A2-P3 \(22\) composite filter](#)

Art. 830

Suitable for autoflow power pack composite filter, A2-P3 (22) (e.g. for paint fumes).



Klick me! (Image similiar)

#### [AS Kemira: Protective film for automask visor \(VPE=10 St.\)](#)

Art. 3285

Protective film for automask visor (10 units)



Klick me! (Image similiar)

#### [AS Kemira: Scratch-proof visor for automasks](#)

Art. 3284

Scratch-proof polycarbonate visor for automask safety masks.



Klick me! (Image similiar)

#### [AS Particle filter for breathing mask](#)

Art. 678

Use: Kemira Autoflow 1000 (prod. no. 794), Proflow Ready-Pack (prod. no. 3709)

Type: PF 10 P3, AS X-Floc Respiratory protection complete set Ready-Pack (prod. no. 7022)



Klick me! (Image similiar)

#### [AS pre-filter Pro2000 \(packaging unit = 10 pieces\)](#)

Art. 719

Pre-filter for breathing protection Pro2000 (packaging unit = 10 pieces)



Klick me! (Image similiar)

**10 Worker protection****AS Pro 2000 pre-filter holder**

Art. 1142



Klick me! (Image similar)

PRO 2000 pre-filter holder for PF3 filters

**AS: Automask face protection**

Art. 8391



Klick me! (Image similar)

Face protection of breathing protections

- AS: Insulation respiratory protection EA3000 complete set (prod. no. 8318)
- AS: Proflow Ready-Pack complete set (prod. no. 3709) (only in combination with suitable neoprene hose and adapter)

Attention:

Due to model change 2016/2017, only compatible with breathing protection devices of new design.  
Please take into account when reordering!

Alternative:

- AS Kemira: Automask face protection (prod. no. 706)

**AS: Proflow Ready-Pack complete set**

Art. 3709



Klick me! (Image similar)

Insulation respiratory protection Proflow in complete set

Mobile respiratory protection for safe work in environments with particle loads. Released for the protection class TH2.

Suitable for:

- Safe work in environments with particle loads
- Daily work assignment

Advantages:

- Easy to operate and handy form
- Pleasant wearing comfort
- Average operating time of up to approx. 15 hours, depending on the operation intensity

Technical details:

- Type of battery: NiMH-battery
- Battery operating time: up to approx. 15 hours, depending on the operation intensity
- Battery charging time: approx. 6 hours
- Air performance: 120l/min., regulated
- Warning signals: obstruction of the airflow, battery status, filter capacity
- Volume of the blowers in during operation: 65dB
- Temperature range: -10°C to +50°C
- Protection class: TH2
- Approvals: EN12941/EN12942 - CE0121

Scope of delivery:

- Respiratory protection blower
- Comfort belt
- Automask with anti-fogging viewing glass, face seal and wide elastic headband
- Breathing hose
- 2x particle filters incl. Prefilter sets (2x prefilter holders and 1x pack of prefilters)
- Rechargeable battery incl. Charger

**11 Factory filling systems****EP1050: Handhabungssystem für Einblasplatte EP1050**

Art. 7512



Klick me! (Image similar)

English version in preparation: Erweiterung für Einblasplatte EP1050: 1-achsige Positionierhilfe, mit der der Maschinenbediener die Einblasplatte auf dem Rahmenelement zur Querrichtung positionieren kann. Von der Bedienerseite aus kann die Einblasplatte mittels Taster vor- und zurück bewegt werden. Der Antrieb erfolgt motorisch.

Technische Merkmale:

- Die minimale Ausladung beträgt ca. 50cm und maximal ca. 210cm
- Die Lenkerbreite beträgt ca. 700mm
- Die Unterkante des Lenkers ist ca. 4cm über der Unterkante der Einblasplatte
- Abstand zwischen vorderem Abschluss der Einblasplatte und Rückseite der Halteplatte / Lenker beträgt ca. 100mm
- Der Lenker ist mit einer Blechschale auf der linken Seite ausgestattet. Die Blechschale ist geeignet um einen Handsender für Krananlage Fabr. Demag Typ DRC-DC10 aufzunehmen. Die Blechschale ist mindestens an den Ecken offen, damit sich eventueller Staub in der Schale nicht festsetzen kann.
- Kabelführung mittels Energiekette
- Ca.-Abmessungen gem. Skizze

Hinweise:

- Je nach Position der Teleskop-Bedienpanels kann sich der Schwerpunkt der Einblasplatte verändern
- Zum Absetzen der Platte in der Parkposition muss sich das Teleskop-System in eingefahrenem Zustand befinden (Lenker in der Endlage an der Einblasplatte)
- Um Beschädigungen beim Absetzen zu vermeiden, ist empfohlen die Parkposition ca. 0,7m über dem Boden einzurichten.

**11 Factory filling systems****Factory filling: EP1050-NW63-HDD Blowing Panel for industrial element filling****Art. 8683**

Klick me! (Image similar)

Intelligent, multiaxial blowing panel for automated filling of frame elements with blow-in insulation materials. The injection of the insulation material will be realized by several liftable rotary nozzle units which will fully insulate the frame element sequentially. Thereat, the insulation material will flow through specially designed nozzle pipes which will be lowered down into the frame element during the injection process (1. axis) in order to distribute the insulation material with a rotating movement (2. axis) evenly into every area.

The injection process will be performed automatically by pressure sensors and an industrial control. The specially developed software provides a high range of setting possibilities. This way, various cavity geometries can be filled and insulation materials can be processed according to the current requirements. In combination with a material supply's weighing possibility, a consistent quality control can be achieved by automatically recorded installation densities.

## Technical details:

- Performance capacity: up to 1400kg/h, depending on the insulation blowing machine and the insulation material being used
- Insulation materials typically used: wood fibre, glass wool, cellulose, rock wool
- Dimensions: approx. 850 x 800 x 3200 mm (width x height x length, deviating versions on request)
- Handling: by handle strip
- Number of liftable rotary nozzle units: 4 pieces (deviating versions on request)
- Material distribution towards the liftable rotary nozzle units: 3 material switches NW75
- Vertical movement of the nozzle pipe: by pneumatic cylinder
- Rotary movement of the nozzle pipe: motor driven
- Control: robust, freely programmable, available worldwide industrial control with 1-GHz-ARM-CPU
- User interface: wireless tablet PC with touchscreen and software, with intuitive operating interface
- Possible integration into crane/gantry device or other handling devices (e.g. Weinmann)

## Note:

- For operating the blowing panel, a compatible insulation blowing machine is required.
- For the extension to an interlinked factory filling plant (EP / EM / GBF), an optionally available safety device is required. This safety device contains a function connector for operating the machine in stand-alone operation (see options).

## Required connections:

- Power supply: 230V~ / 10A
- Compressed air supply: 6-8 bar, on-site

## Options:

- EP1050: Handling system for blowing panel EP1050 (prod. no. 7512)
- Factory filling: EP1050 Line laser module for simplified positioning (prod. no. 7832)
- SPS: LAN-to-LAN industrial router for remote maintenance purposes (prod. no. 7501)
- EP: Additional package for integrating the insulation blowing panel (EP) into a factory filling system (prod. no. 8617)

**Factory filling: GBF1050 Bale Conditioning Machine****Art. 4628**

Klick me! (Image similar)

Machine for shredding and dosing of loose insulation material stacked or pressed into big bales such as cellulose or wood fibre insulation material into an insulation blowing machine.

Suitable for big bales on pallets (various dimensions).

Integrated Master-Slave control for being switched on and off via the insulation blowing machine.

## Technical details:

- Weight: approx. 1220 kg
- Dimensions: approx. 2165 x 1880 x 3200 (L x W x H) (height without signal lamp)
- Inner dimensions for bale goods: approx. 1200 x 1200 x 2300 (L x W x H)
- Power supply: 400V / 50Hz

Inside the bale conditioning machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.

Rated power: 2,5 kW

Production capability: up to 5 cycles/hour  
(depending on the type of bale goods, about approx. 1500kg/h)

## Options / accessories:

- GBF-Underframe insulation blowing machine (prod. no. 4439)
- GBF-Weighing system (prod. no. 8157)
- Elektro: Signal lamp green / orange / red (prod. no. 6665)
- GBF1050 Additional control output (24V DC) (prod. no. 7961)
- GBF1050 Additional control input (24VDC) (prod. no. 7959)
- GBF: Upgrade double-leaf doors (prod. no. 7534)
- Factory filling: GBF1050 Access ramp for GBF with weighing system (prod. no. 8127)

**Factory filling: GBF Underframe insulation blowing machine****Art. 4439**

Klick me! (Image similar)

Use: frame for joint weighing of the bale conditioning machine with the insulation blowing machine

**11 Factory filling systems****GBF: Weighing system****Art. 4437**

Klick me! (Image similar)

Module for determining the amount of processed insulation material.  
Included in the delivery contents:  
4x shear beam load cell  
4x packing plate for assembling the weighing cell  
4x supporting foot  
1x clamp and trim box  
1x evaluation electronic

Options:

- Weighing system's connection to an insulation blowing panel EP1050 (prod. no. 6958)
- Display 311x173 (prod. no. 7957)
- Display 311x173, wall mount (prod. no. 7958)

**Factory filling: GBF weighing system with increased precision****Art. 8157**

Klick me! (Image similar)

Module for determining the amount of processed insulation material.  
Included in the delivery contents:  
4x shear beam load cell  
4x packing plate for assembling the weighing cell  
4x supporting foot  
1x clamp and trim box  
1x evaluation electronic

Options:

- Weighing system's connection to an insulation blowing panel EP1050 (prod. no. 6958)
- Display 311x173 (prod. no. 7957)
- Display 311x173, wall mount (prod. no. 7958)

**Factory filling: System WBS1050 for factory filling of wooden frame elements****Art. 8820**

Klick me! (Image similar)

Complete factory filling plant including insulation blowing machine, blowing panel with liftable rotary nozzle technology and bale conditioning machine incl. 40m conveyor hose and 50m connection line between insulation blowing machine and blowing panel.

Factory filling plant, consisting of:

01. EM 430-400V/9,5kW High-powered insulation blowing machine (prod. no. 5802)
02. EM4XX/5XX: Additional option DS - Adjustable airlock rotation speed (prod. no. 5060)
03. EM4XX: Additional package for integrating the insulation blowing machine into a factory filling system (prod. no. 8615)
04. Control cable 50m for interlinking EM4XX -> Blowing panel (prod. no. 8618)
05. Factory filling: EP1050-NW63-HDD Blowing Panel for industrial element filling (series C) (prod. no. 7320)
06. Factory filling: EP1050 Line laser module for simplified positioning (prod. no. 7832)
07. Control cable 5m for interlinking EM4XX -> Bale conditioning machine (prod. no. 8619)
08. SPS: LAN-to-LAN industrial router for remote maintenance purposes (prod. no. 7501)
09. EP: Additional package for integrating the insulation blowing panel (EP) into a factory filling system (prod. no. 8617)
10. Factory filling: GBF1050 Bale Conditioning Machine (prod. no. 4628)
11. GBF1050: Additional package for integrating the bale conditioning machine into a factory filling system (prod. no. 8616)
12. Factory filling: GBF Underframe insulation blowing machine (prod. no. 4439)
13. Factory filling: GBF weighing system with increased precision (prod. no. 8157)
14. Electrics: Signal lamp green / orange / red (prod. no. 6665)
15. Factory filling: GBF1050 Access ramp for GBF with weighing system (prod. no. 8127)
16. Conveyor hose NW75 (3") with flexible earthing braids, L = 20m (2 pieces, prod. no. 3815)
17. Hose connector NW75 (3"), stainless steel (2 pieces, prod. no. 033)
18. Hose clamp NW75 (3") (5 pieces, prod. no. 177)

Costs in addition with delivery, commissioning, training and modification on the respective insulation materials and applications.

**12 Miscellaneous****ZZZ: Many more items on request.****Art. 1533**

We are happy to give further information, please ask.



Klick me! (Image similar)

# Terms and Conditions of Sale and Delivery for X-Floc Dämmtechnik-Maschinen GmbH (Last revised 2015)

## I. Scope of Application

1. The following terms and conditions apply to all deliveries and performances, regardless of whether the individual case is a sales contract or a contract for work and services or a contractual relationship of yet another nature.
2. These conditions of sale and delivery apply exclusively; terms and conditions of the purchaser that oppose or deviate from these shall not be recognized by the supplier, unless it has explicitly confirmed their applicability in writing. These conditions of sale and delivery are also applicable if the supplier, in awareness of the purchaser's terms and conditions that oppose or deviate from these, carries out the delivery or service to the purchaser without reservation.
3. These conditions of sale and delivery are also applicable for all future business with the purchaser, even if they are not explicitly agreed upon.

## II. Conclusion of Contract, Modifications of Contract, Assignment of Rights

1. The documents which are a part of the offer (e.g., photographs, drawings) as well as data about the extent of the delivery, appearance, performance, dimensions, weight, consumption of operating materials, operating costs, etc., are only approximate values unless they have expressly been designated as binding. The supplier retains rights of ownership and copyrights to cost estimates, drawings and other documents. They must not be made available to third parties and shall be returned upon request.
2. The contract shall be deemed concluded when the supplier has confirmed acceptance of the order in writing or has commenced delivery or performance. If the supplier has submitted an offer which is subject to a time limit, the contract shall be deemed concluded when the client has submitted written acceptance of the offer in due time.
3. Oral secondary agreements and amendments to the contract shall not become effective until the supplier has confirmed them in writing. Obvious spelling or calculation errors may be corrected retroactively.
4. The client cannot assign his rights and accordingly claims from this contract. However, § 354 a HGB remains unaffected.

## III. Prices

1. The prices are given ex works, including loading in the works, but excluding packaging, plus applicable value-added tax in conformity with the applicable provisions of the delivery or performance country. To the extent that binding remuneration of the supplier has not been agreed, the supplier's prices in effect on the day of the delivery shall apply.
2. Engineer work, installation and commissioning will be billed separately. The billing may be calculated at either a flat rate or according to actual expenditure, plus travel costs, subsistence allowance and overnight expenses, overtime, surcharges for Sundays and public holidays.
3. Price changes are admissible if there has been a lapse of more than 6 months between conclusion of the contract and the agreed date of delivery. The supplier is entitled to adjust prices to the extent that the new price is in the same ratio to the agreed price as the price of the delivery and performance according to the valid price list on the day of the delivery is to the price of the delivery according to the valid price list on the day of the conclusion of the contract. With respect to other deliveries and performances not shown in a price list, the supplier is entitled to make a price adjustment which is reasonable in view of the circumstances.
4. If costs or charges are included in the prices and the former are raised following the conclusion of the contract, or if they become due additionally following conclusion of the contract, the supplier is entitled to bill the client for the additional amount.
5. If at the request of the client the supplier is prepared to make an exchange, the supplier is entitled to bill the incurred costs, no less, however, than the amount of the loss in value resulting from aging and use, plus 10% of the agreed price of the originally agreed object of the delivery, as compensation for the expenditures incurred by the supplier due to the exchange. The supplier may not demand the flat-rate cost compensation described in the above provision if the client proves that no, or only minor, damage or expenditure resulted for the supplier.

## IV. Payment, Default of Payment, Set-Off, Retention

1. In the absence of deviating agreements, payment for the delivery of machines shall become due immediately at the delivery, for spare parts within 30 days and for services within 14 days of the invoice date without deductions.
2. Any and all outstanding receivables shall become due and payable immediately—even if an extension or other delay of payment has been granted—as soon as the client is more than 5 workdays in default of fulfilment, in whole or in part, of his obligations to the supplier or if circumstances arise which substantially reduce the creditworthiness of the client (e.g., deterioration of assets, delay or suspension of payments, excess debt, downgrading of credit rating by trade credit insurer, objections to bills of exchange and cheques, filing of a petition for institution of bankruptcy proceedings or the institution or dismissal thereof). The supplier may in this case refuse all further deliveries or performances and request the provision of reasonable security for his claims.
3. Payment by bill of exchange is subject to special agreement. Bills of exchange and cheques will only be accepted subject to redemption. The client shall bear collection and discount charges. No cash discount will be granted for payment by bill of exchange or in the event that there are overdue payments, even if such a discount has otherwise been agreed.
4. The client may offset supplier's claims solely against undisputed or non-appealable claims. The client has a right of retention only if his counter-claim is based on the same contractual relationship and is undisputed or non-appealable, or if the supplier has committed a gross violation of his obligations from the same contractual relationship. However, this provision is without prejudice for the right of the client to retain a reasonable part of the purchase price due to defects of the supplier's performance.
5. If the client is in default of payment, interest at a rate of 9.9% above the basic interest rate shall be paid on the supplier's claims. This provision is without prejudice for the supplier's claim for compensation for additional damage.
6. If the client suffers deterioration of assets in the meaning of No. IV.2., the supplier may withdraw from the respective contract after the client has failed to provide appropriate security within an reasonable timeframe. This provision is without prejudice for further statutory claims of the supplier, e.g., damage compensation. Damage compensation claims of the client are excluded.

## V. Delivery Time, Partial Performances, Delay of Acceptance, Withdrawal and Provisos by the supplier, claims for damages by the supplier

1. Delivery and installation periods do not commence until the supplier and the client have reached agreement on all details of the performance and all terms and conditions of the transaction and the supplier has confirmed the order. Said periods shall be suspended as long as the client is in default of fulfilment of his contributory obligations from this contract (e.g., provision of documents, supply of materials, permits, releases) or of an agreed advance payment.
2. The delivery period shall be deemed as observed if the object of the delivery has left the works or if notification of readiness for shipping has been given before lapse of the period.
3. The delivery time shall be appropriately extended in cases of force majeure, strike, lockout and other unusual, unforeseen circumstances or delays by a preliminary supplier of the supplier for which the supplier is not answerable, provided that these circumstances have a demonstrable effect on the delivery time. In cases of absent, incorrect or late performance by a preliminary supplier for which the supplier is not answerable, the supplier can withdraw from the contract if the event renders it impossible for the supplier to perform or if it cannot perform after an appropriate extension to the delivery time as per the previous sentence. Furthermore, the supplier can withdraw from the contract if it cannot procure the performance of a preliminary supplier necessary for its own performance (for example a part, a drive, a component or a chassis) or if it cannot procure this performance on reasonable terms, for reasons that lie within the sphere of the purchaser or the terms of the performance of the supplier to the purchaser (for example, with regard to the person of the purchaser

or the country to which the delivery is supposed to be made). In the case of withdrawals as described above, compensation claims by the purchaser are excluded.

4. If the supplier's performance is delayed, he shall nevertheless not be in default of performance to the extent that the delay is caused by circumstances which he could not foresee and prevent when taking reasonable precautions and which he could not overcome by taking reasonable measures.
5. The supplier is entitled to withhold his performance as long as the client does not fulfil his obligations to the supplier from this or another contract or due to other legal reasons.
6. Partial performance is admissible to the extent that it is reasonable for the client. Such partial performances shall be deemed independent legal transactions which may be bill separately.
7. If the terms and conditions of payment are not observed, if the delivery is not accepted in due time or if the acceptance thereof is refused or if security which has been agreed or is due in accordance with No. IV.2. has not been provided, the supplier is entitled, following fruitless lapse of a reasonable extension, to withdraw from the contract. If the client is obligated to compensate the supplier in such cases on the merit of a claim, the supplier may claim without further proof damage compensation from the client in the amount of 25% of the order total for series products and 75% of the order total for individual products, to the extent that the client does not prove that no damage, or only minor damage, has resulted. This provision is without prejudice for a claim of greater damage upon substantiation.
8. If at the request of the client the dispatch is delayed, the supplier may bill either the storage and maintenance costs actually incurred or a flat rate in the amount of ½% of the invoice amount per month; the latter is, however, not permitted if the client proves that the supplier suffered no, or only minor, damage or incurred no, or only minor, expenditures. This provision has no effect on the client's payment obligations.
9. The fulfilment of the contract on the part of the supplier is subject to the proviso that there are no obstacles resulting from national or international regulations of foreign trade legislation or embargoes (and/or other sanctions). In the case of such obstacles, compensation claims by the purchaser are excluded.

## VI. Transfer of Risk, Shipping and Acceptance

1. The risk shall pass to the client no later than the point in time of the dispatch of the object of the delivery. This provision shall also apply to partial performance, or if the supplier has agreed to bear the costs for shipping or installation, or if he performs the delivery himself. No liability is accepted for the most favourable freight charges or transport time.
2. If the delivery, the shipping or the acceptance of the object of the delivery is delayed by the client due to no fault of the supplier, all risks—including the risk of deterioration or loss of the object of the delivery as well as all risks resulting from the object itself—shall pass to the client as of the notification of the readiness for shipping or notification of completion.
3. Upon written request, the consignment will be insured at the client's expense for the cover sum he requests.
4. The client is liable for any and all damage which he causes by his negligence during or before acceptance of the object of the delivery (e.g., sampling, any acceptance procedure to be performed, etc.).
5. Delivered objects shall be accepted by the client, even if they are defective, without prejudice for his rights.

## VII. Complaint of Defects, Guarantee, Guarantee Period

1. The client shall examine the object of the delivery immediately after receipt and lodge written complaint of any defects without delay. The client shall also examine the object of the delivery for defects before every commissioning, in particular regarding safety and suitability for use. During its use, the object of the delivery shall be monitored constantly with regard to safety and defects. If there are even slight reservations concerning the suitability for use or the slightest reservations concerning safety, the object must not be used or its operation must be shut down immediately. The supplier shall be given written notification immediately, specifying the reservations or the defect within the scope of a complaint of defects. The client shall allow the supplier the time and opportunity required to perform any and all remedies and replacement deliveries which the supplier regards as necessary. Otherwise, the supplier is released from liability for any consequences resulting therefrom.
2. If the supplier's performance is defective at the time of the transfer of risk, the supplier shall perform subsequently, at his discretion remedying the defect or delivering a defect-free object in exchange for the defective object delivered. Replaced parts become the property of the supplier. If subsequent performance regarding a defect is not possible, has finally failed, is unreasonable for the client, or if the supplier has refused both types of subsequent performance, or if a reasonable extension for subsequent performance granted to the supplier has fruitlessly lapsed, the client may at his discretion reduce the remuneration for the supplier or withdraw from the contract. If there is only a minor defect, however, the client has only the right to reduce the remuneration.
3. If the supplier has fraudulently concealed a defect or given a guarantee for the quality of the object, the statutory regulation shall apply.
4. Unauthorized remedy of defects by the client or third parties shall result in the loss of all claims due to defects on the supplier. The supplier will not bear the costs for the remedy of defects by the client or third parties without the express prior agreement of the supplier. This provision does not apply in urgent cases—especially when delay is not possible—in which the operating safety is endangered or in order to prevent unreasonably great damage. In such cases, the supplier shall be notified immediately and shall be obligated to re-imburse only the necessary costs.
5. In particular, the supplier does not accept any guarantee or any warranty obligation for damage in the following cases: unsuitable or improper use, defective installation or commissioning by the client or third parties, natural wear and tear, defective or negligent handling, improper maintenance, excessive load, unsuitable operating materials and replacement materials, poor work, unsuitable foundation, chemical, electro-technical/electronic or electric influences. This exclusion does not apply if the supplier is responsible for the damage in conformity with the more specific provision of the regulation in VIII. No. 5. There shall also be no liability and respectively warranty obligation for the supplier in particular for the following measures and actions taken by the client or third parties and the consequences thereof: improper remedy of defects, change of the object of the delivery without the prior agreement of the supplier, addition and insertion of parts, in particular of spare parts which do not come from the supplier or which the supplier has not expressly approved for insertion, and failure to follow the operating instructions.
6. The supplier does not grant any warranty for material provided by the client or acquired on the basis of specifications predetermined by the client or for designs predetermined by the client.
7. The supplier does not grant any warranty for possible material defects for the sale of used machines, devices or parts. The supplier does not guarantee any quality and points out that used machines and parts frequently do not have the same quality as newly manufactured machines and parts, also with respect to their ability to perform.
8. The client's claims for subsequent performance as well as his possible claims for damage compensation or reimbursement for expenditures due to defects shall be time-barred after one year following delivery of the goods for deliveries, for installation after one year, following formal acceptance or—if a formal acceptance shall not be carried out—after one year of conclusion of the installation. If the acceptance of the object of the delivery or the acceptance of the delivery and performance is delayed due to no fault of the supplier, the guarantee shall expire no later than 12 months after readiness. An analogous provision applies to subsequent performance. If the supplier has fraudulently concealed the defect or has given a guarantee for the quality of the item, the statutory regulation shall apply to the time-barring of any claims on the part of the client based thereon. The statutory regulation shall also apply to the time-barring of any damage compensation claims of the client because of defects if the supplier is guilty of intention or gross negligence or if the damage compensation claim is based on an injury to life, body or health.

9. Any and all other further claims of the client are excluded, in particular for damage compensation, including compensation concerning damage which did not result on the object of the delivery itself. No. VIII.5. applies accordingly.

### VIII. Withdrawal of the client, Damage Compensation claims of the client, limitation of Actions

- The client may withdraw from the contract if the complete performance finally becomes impossible for the supplier before the transfer of risk. A claim by the client for damage compensation due to final impossibility of the performance is excluded unless the supplier is guilty of gross negligence. Any claim for damage compensation is limited to the damage foreseeable at the time of conclusion of the contract and resulting from the usual course of events and is limited in amount to a maximum of 15% of the contract sum. The client may also withdraw from the contract if, for an order of identical items, the delivery of a part of the ordered items in terms of quantity becomes impossible and the client has a justified interest in refusing a partial delivery. If this is not the case, the client may reduce the counter-performance accordingly.
- If the impossibility occurs during delay of acceptance on the part of the client and without it being gross negligence on the part of the supplier or by responsibility of the client, the client shall be obliged to the valuable consideration and is not entitled to withdraw from the contract in accordance with number 1 above.
- The client may withdraw from the contract if the supplier is in default of his performance, to the extent that said performance is due, the client has previously set a reasonable ex-tension without success, and the supplier is responsible for his non-performance. A claim by the client for damage compensation due to the supplier's default of performance is excluded unless the supplier is guilty of gross negligence. Any claim for damage compensation is limited to the damage foreseeable at the time of conclusion of the contract and resulting from the usual course of events and is limited in amount to 0,5% for each full week of delay, in total to a maximum of 5% of the value of that part of the total delivery which cannot be used in due time because of the delay.
- The client's right to withdraw from the contract –beyond the cases regulated above in Nos. 1 and 3– in accordance with statutory regulations in the event of a violation of obligations for which the supplier is responsible and which does not result from a defect re-mains unaffected.
- Any and all other more extensive claims of the client arising from the breach of contractual obligations and unauthorized activities carried out as part of the contract are excluded, in particular for termination and for damage compensation, including claims for damage compensation in lieu of performance and reimbursement of expenses and claims for compensation of damage of any type, also concerning damages which did not result on the object of the delivery itself. All further claims on the part of the client for any other legal reason, including claims on the part of the client for breach of pre-contractual obligations and unauthorized activities carried out at the initiation or conclusion of the contract are excluded. This exclusion of liability does not apply if the supplier is guilty of gross negligence. Furthermore, this exclusion of liability does not apply in the event of culpable violation of the essential contractual obligations of the supplier (these are obligations imposed on the supplier with regard the content and purpose of the contract and whose breach jeopardizes the achievement of the purpose of the contract; also obligations whose fulfillment mainly facilitates the proper performance of the contract and the observance of which the client relies on, and may rely on, regularly). Furthermore, this exclusion of liability does not apply to any claim of the client for damage compensation based on an intentional or grossly negligent injury of life, body or health. Finally, this exclusion of liability does not apply in those cases in which liability is compulsory in accordance with the Product Liability Act for personal injury or material damage to privately used objects. If these cases result in the supplier's liability –or in deviation from the above provisions in other cases due to contractual or statutory basis for claim– said liability shall be limited to compensation for the foreseeable damage resulting from the usual course of events and which has been proven in each individual instance. However, this limitation of liability does not apply to any liability in accordance with the Product Liability Act due to defects of the object of the delivery for personal injury or for material damage to privately used objects. This limitation of liability also does not apply to any claim by the client for compensation for damages resulting from injuries to life, body or health that have been caused intentionally or due to gross negligence. Furthermore, this limitation of liability does not apply if the supplier is guilty of intention.
- Damage compensation claims of the client on the supplier by violation of contractual obligations and by actions in tort committed during the performance of the contract shall be time-barred no later than one year after the end of the year in which the claim arose and the client learned of the circumstances substantiating the claim and of the person of the debtor, or would have learned thereof without gross negligence. This also applies to claims for compensation for damages by the client against the supplier for any other legal reason, including claims for compensation for damages for the breach of pre-contractual obligations and unauthorized activities carried out at the initiation or conclusion of the contract. If the debtor is guilty of intention or gross negligence, the statutory regulation shall apply. Furthermore, the statutory regulation shall apply to any damage compensation claim based on an intentional or grossly negligent injury of life, body or health.
- Insofar as the liability of the supplier is excluded or limited, this also applies to any personal liability of its legal representative and members of staff. The statute of limitations for claims asserted by the client against the legal representative of the supplier and its members of staff are outlined in number 6 above.

### IX. Security

- The object of the delivery remains the property of the supplier until full payment of the agreed price and of all other claims, including future claims, from the business relationship with the client. If in the context of the payment of the purchase price the supplier becomes liable on the basis of bills of exchange, the retention of title does not lapse before all bills of exchange have been completely redeemed by the client.
- The client assigns now to the supplier the claims arising from the further sale of the objects of the delivery in the amount of the value of the objects of the delivery and all secondary rights The client is authorized to collect the claim. The authority of the supplier to collect the claims himself remains unaffected hereby.
- The supplier obligates himself, on the request of the client, to release security at his discretion to the extent that the realizable value of his security exceeds the total of his claims from the business relationship by more than 10%.
- As long as the client fulfils his obligations to the supplier, he is entitled to dispose of the object of the delivery in the course of orderly business and subject to retention of title, to the extent that the claims effectively pass to the supplier in accordance with No. 2. Extraordinary disposals such as

pledges, transfer by way of security and any and every assignment are not permissible. The supplier shall be given written notification immediately of any attachment by third parties on the object of the delivery or on claims assigned to the supplier, in particular pledges.

- During the period of the retention of title, the client is in principle entitled to possess and make use as intended of the object of the delivery. In the event of actions in breach of contract by the client –in particular if the client is in default of payment– as well as in the cases of No. IV.2., however, the supplier may repossess the object of the delivery and revoke the authorization to collection of the claims resulting from the further sale. The client is –under exclusion of rights of retention– obligated to surrender the object. The client shall bear any and all costs of the repossession and exploitation. The supplier is entitled to private sale. The client shall upon request immediately submit to the supplier on the re-quest of the supplier a catalogue of the claims assigned in conformity with No. 2 to the supplier, as well as all additional information and documents necessary for exercise of the claims to which the supplier is entitled, and inform the debtors of the assignment.
- The client shall maintain the object of the delivery in proper condition during the retention of title and allow the supplier or a workshop authorized by the supplier –with the exception of emergencies– to perform immediately all of the maintenance and repair work prescribed by the supplier.
- The exercise of the retention of title and pledge of the object of the delivery by the supplier shall not be deemed withdrawal from the contract.
- If the retention of title or the assignment is not effective according to the law of the country in which the goods are located, the security closest in nature to retention of title or assignment in this country shall be deemed as agreed. If a contribution of the client is required for this purpose, the client shall perform all legal actions necessary to establish and preserve such rights.

### X. Industrial Property Rights

If the supplier is to perform according to drawings or models, samples, or using parts supplied by the client, the client shall warrant that industrial property rights of third parties are not infringed hereby. The client shall indemnify the supplier from any and all claims by third parties due to infringement of industrial property rights and shall compensate the supplier for any resulting damage and for his costs and expenditures. If the client is prohibited from manufacture or delivery by a third party on the basis of an industrial property right, the supplier is entitled to cease work. In this case, the supplier may withdraw from the contract and demand compensation for his damage as well as his costs and expenditures. The client is under no obligation in accordance with clauses 1 to 4 above to provide indemnification, compensation for loss expenses or reimbursement of expenses, if the client is not liable for the infringement. Other possible statutory claims and rights of the supplier remain unaffected in every case.

### XI. Export controls

The purchaser must advise the supplier in writing as soon as possible, but not later than two weeks before the delivery deadline, of all information and data required by the supplier in order to comply with the applicable foreign trade legislation and for licences, provided that their procurement is the responsibility of the supplier according to the contract. Furthermore, the supplier can demand such information at any time. In the case of alterations, the purchaser shall update this data, particularly the export control and foreign trade data, as early as possible, but not later than one week before the delivery date, and shall advise the supplier of this in writing. The purchaser shall bear any expenses and damages incurred by the supplier due to the absence, defectiveness or late receipt of the data.

### XII. Compliance

The purchaser undertakes that it and its partners, managing directors, supervisory and advisory boards, employees and other representatives comply with legal regulations and in particular shall act preventatively against any kind of criminal or reprehensible misconduct in the course of its business operations in the context of this contract.

### XIII. Prohibited dealings

The purchaser undertakes that it and its partners, managing directors, supervisory and advisory boards, employees and other representatives shall refrain from the following dealings with the supplier's goods in all cases:

- Dealings with persons, organizations or institutions that are named on a sanctions list according to EC or EU regulations or US export provisions;
- Dealings with customers in countries under embargo, which are prohibited;
- Dealings for which the required licence is not present; and
- Dealings that in particular may have a connection with nuclear, biological or chemical weapons or a military end-use.

If the purchaser contravenes this obligation, the supplier is within its rights to withdraw immediately from the contractual agreement or claim compensation at its discretion.

### XIV. Use of Software

To the extent that software is included in the scope of the delivery, the client shall be granted a non-exclusive right to use the supplied software, including its documentation. It is released for use on the object of the delivery intended for this purpose. The use of the software on more than one system is prohibited.

The client may reproduce, rework or translate the software or convert from the object code into the source code only within the legally permissible scope (Sec. 69a ff UrhG, Copyright Act). The client obligates himself neither to remove manufacturer's information –in particular copyright notices– nor to change them without the prior express permission of the supplier.

All other rights to the software and the documentation, including the copies, remains with the supplier or the software supplier. The granting of sub-licenses is not permissible.

### XV. Proper Law, Place of Performance, Jurisdiction, Severability clause

- Sole proper law is that of the Federal Republic of Germany. In case of doubt, the German language version of all contractual provisions shall be decisive. The Uniform Sales Convention (Convention of the International Sale of Goods, CISG) does not apply.
- Place of performance is 71272 Renningen.
- If the client is a merchant, a legal person under public law or a special fund under public law, the courts of Leonberg shall have jurisdiction for any and all disputes arising under this contractual relationship, including disputes regarding its creation and its effectiveness as well as for bill of exchange and cheque litigation. The supplier may apply to any other court which has jurisdiction according to statutory provisions.
- If one of the provisions of these terms and conditions of sale and delivery is invalid, in whole or in part, the validity of the remaining provisions shall not be affected.



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