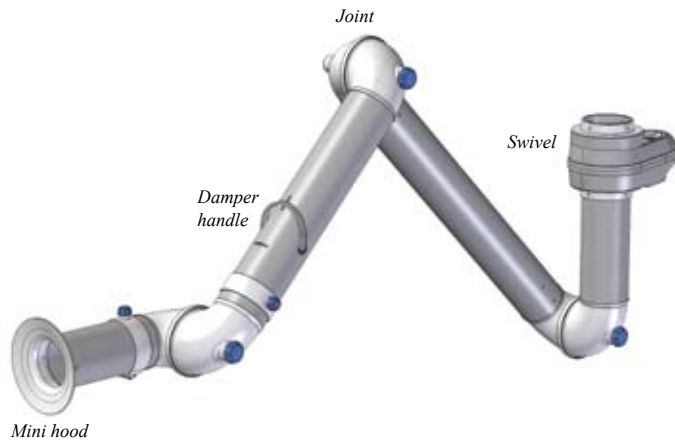


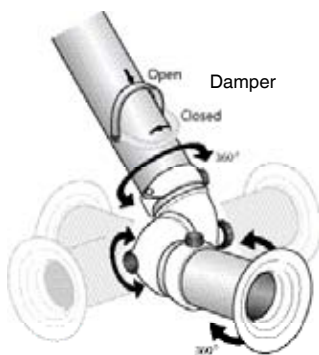
Technical Description

FX Extractor arms - Original

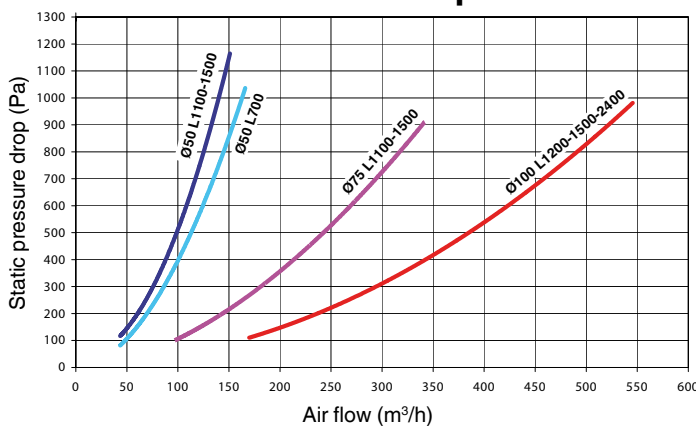
Wall/ceiling/floor model - 50, 75 and 100 mm



Swivel and link functions

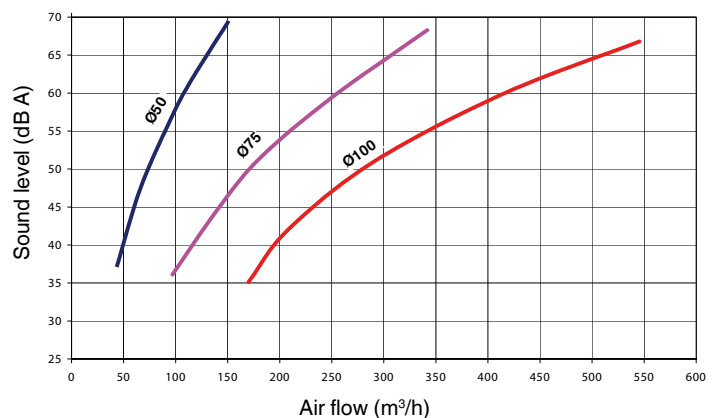


Pressure drop



Position of arm when measured

Sound level



Position of arm when measured

General description

Extractor arms for use in industries, laboratories, schools in applications such as gluing, working with solvents, spot/TIG welding, screen printing, adhesives etc.

Arm sections

Thin walled anodized aluminum sections with a very good corrosion resistancy against solvents etc. In contacts with alkaline materials the surface can be stained or damaged.

Swivel

Swivel with 360 degree rotation. Add reduction for correct connection diameter.

Joints

The adjustment knobs on the friction joints are supported by ball-bearings. The first joint is supported by a spring (not Ø50-700 and Ø100-1200). 360 degree rotation where indicated.

Mini hood

The Mini hood is supplied together with the arm and is also interface to the multi purpose and metal hood.

Mounting

The arms can be mounted on ceilings, walls and floors or fixed to tables. By using an extension profile the arm's operational reach can be increased.

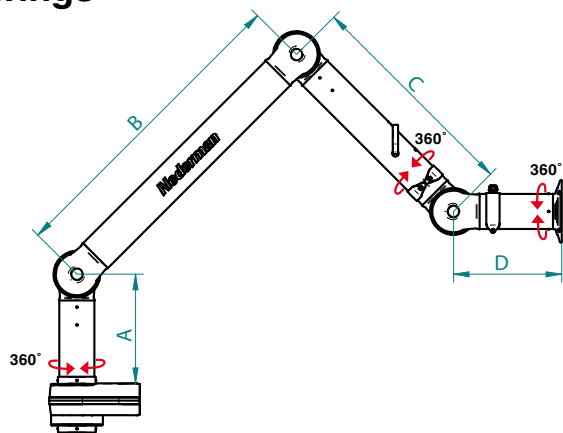
Other

All the arms are provided with dampers, tight down to an underpressure of 3500 Pa. Air temperature -10°C to 70°C. Material recovery: 99% by weight.

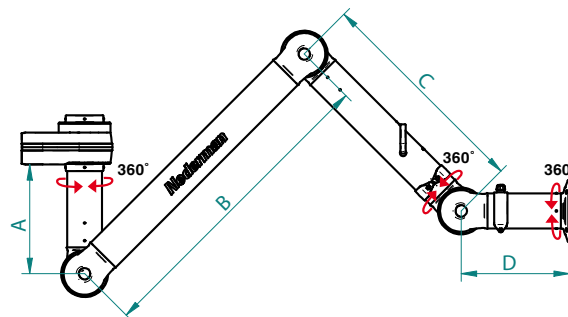
Accessories

For brackets, hoods, reductions and hoses, see Technical Description "FX Extractor arms Accessories".

Drawings



FX arm with ventilation connection downwards.



FX arm with ventilation connection upwards.

Measures and Part numbers

| Connection direction* | Diameter (mm) | A (mm) | B (mm) | C (mm) | D (mm) | Length (mm) | Weight (kg) | ORIGINAL Part No. |
|-----------------------|---------------|--------|--------|--------|--------|-------------|-------------|-------------------|
| Down | 50 | 250 | 400 | 400 | 230 | 1100 | 2.5 | 70510244 |
| Down | 50 | 250 | 700 | 500 | 230 | 1500 | 2.8 | 70510444 |
| Down | 75 | 250 | 420 | 420 | 250 | 1100 | 3.3 | 70540144 |
| Down | 75 | 250 | 700 | 500 | 250 | 1500 | 3.5 | 70540344 |
| Down | 100 | 330 | 750 | 750 | 270 | 1800 | 5.9 | 70570244 |
| Up/Down | 50 | 250 | 400 | - | 230 | 700 | 1.9 | 70510144 |
| Up/Down | 100 | 330 | 450 | 450 | 270 | 1200 | 4.8 | 70570144 |
| Up | 50 | 250 | 400 | 400 | 230 | 1100 | 2.5 | 70510344 |
| Up | 50 | 250 | 700 | 500 | 230 | 1500 | 2.8 | 70510544 |
| Up | 75 | 250 | 420 | 420 | 250 | 1100 | 3.3 | 70540244 |
| Up | 75 | 250 | 700 | 500 | 250 | 1500 | 3.5 | 70540444 |
| Up | 100 | 330 | 750 | 750 | 270 | 1800 | 5.9 | 70570344 |
| Up | 100 | 330 | 1010 | 1010 | 270 | 2400 | 6.9 | 70570544 |

*Note: Different spring mechanisms are fitted depending on connection direction

Materials

| Description Original arm | Material |
|------------------------------|--|
| Flange | PP |
| Tubes | Aluminium, anodized 10 µm |
| Joints | PP with glass fibre reinforcement |
| Plastic rings | PP with glass fibre reinforcement |
| Axial locking rings | PP with glass fibre reinforcement |
| Adjustment knobs | PP with glass fibre reinforcement screws in galvanized steel |
| Threaded shaft inside joints | Stainless steel |
| Damper blade | Thermo Plastic Elastomer |
| Damper adjustment handle | Aluminium, anodized 10 µm |
| Internal spring | Stainless steel |
| Bearings swivel | PP with glass fibre reinforcement |
| Swivel | Aluminium |
| Rivets | Aluminium |

Airflows

| Recommended airflows | |
|----------------------|--------------|
| Ø 50 | 50-110 m³/h |
| Ø 75 | 110-240 m³/h |
| Ø 100 | 200-450 m³/h |

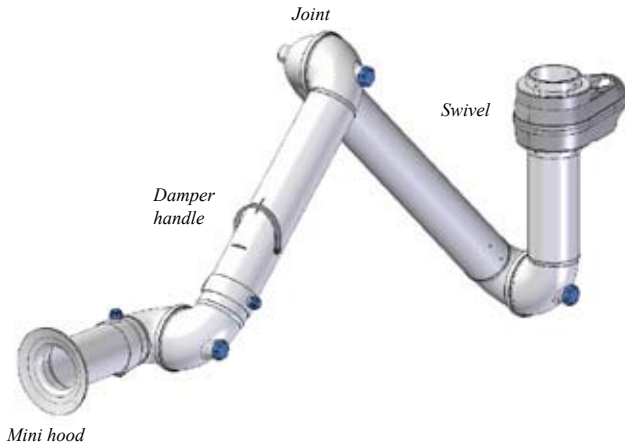
Nederman

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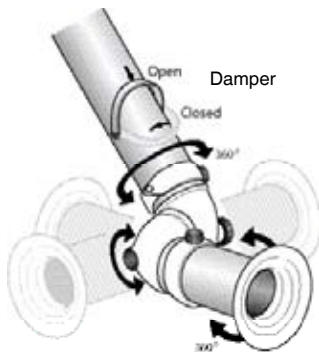
Technical Description

FX Extractor arms - Chem

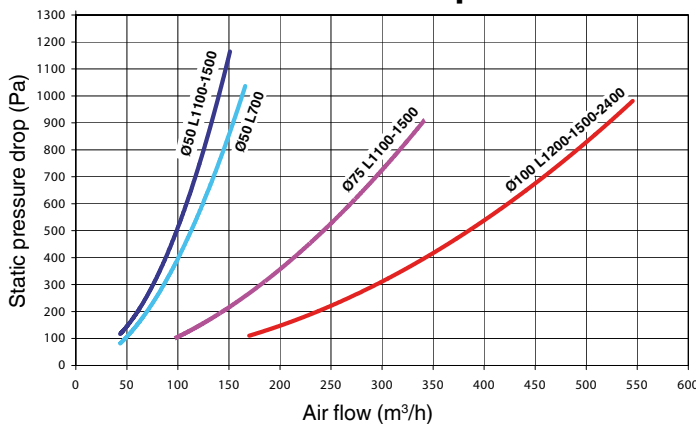
Wall/ceiling/floor model - 75 and 100 mm



Swivel and link functions

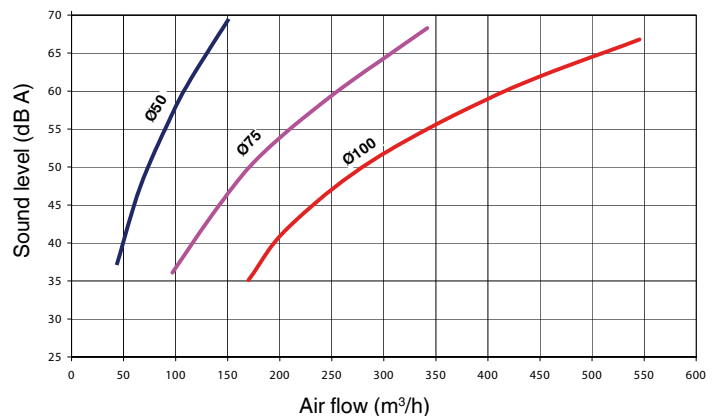


Pressure drop



Position of arm when measured

Sound level



Position of arm when measured

General description

Extractor arms mainly for use in chemical environments, where an extended resistance against chemical substances is a demand. All aluminium parts have a double anodized surface protection called HM-White.

Arm sections

Thin walled anodized aluminum sections with a very good corrosion resistancy.

Swivel

Swivel with 360 degree rotation. Add reduction for correct connection diameter.

Joints

The adjustment knobs on the friction joints are supported by ball-bearings. The first joint is supported by a spring (not Ø100-1200). 360 degree rotation where indicated.

Mini hood

The Mini hood is supplied together with the arm and is also interface to the multi purpose and metal hood.

Mounting

The arms can be mounted on ceilings, walls and floors or fixed to tables. By using an extension profile the arm's operational reach can be increased.

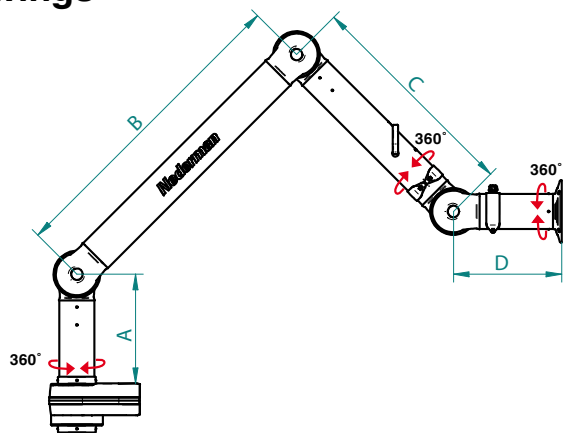
Other

All the arms are provided with dampers, tight down to an underpressure of 3500 Pa. Air temperature -10°C to 70°C. Material recovery: 99% by weight.

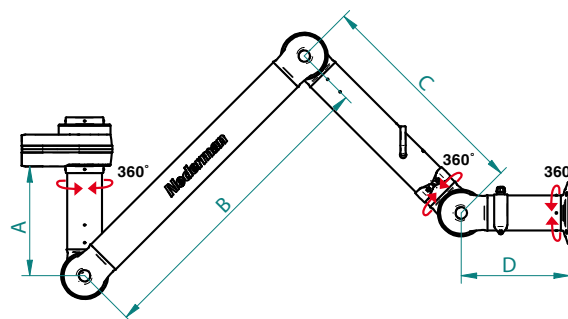
Accessories

For brackets, hoods, reductions and hoses, see Technical Description "FX Extractor arms Accessories".

Drawings



FX arm with ventilation connection downwards.



FX arm with ventilation connection upwards.

Measures and Part numbers

| Connection direction* | Diameter (mm) | A (mm) | B (mm) | C (mm) | D (mm) | Length (mm) | Weight (kg) | ORIGINAL Part No. |
|-----------------------|---------------|--------|--------|--------|--------|-------------|-------------|-------------------|
| Down | 75 | 250 | 420 | 420 | 250 | 1100 | 3.3 | 70550144 |
| Down | 75 | 250 | 700 | 500 | 250 | 1500 | 3.5 | 70550344 |
| Down | 100 | 330 | 750 | 750 | 270 | 1800 | 5.9 | 70580244 |
| Up/Down | 100 | 330 | 450 | 450 | 270 | 1200 | 4.8 | 70580144 |
| Up | 75 | 250 | 420 | 420 | 250 | 1100 | 3.3 | 70550244 |
| Up | 75 | 250 | 700 | 500 | 250 | 1500 | 3.5 | 70550444 |
| Up | 100 | 330 | 750 | 750 | 270 | 1800 | 5.9 | 70580344 |
| Up | 100 | 330 | 1010 | 1010 | 270 | 2400 | 6.9 | 70580544 |

*Note: Different spring mechanisms are fitted depending on connection direction

Materials

| Description Original arm | Material |
|------------------------------|---|
| Flange | PP |
| Tubes | Aluminium, surface HM-White |
| Joints | PP with glass fibre reinforcement |
| Plastic rings | PP with glass fibre reinforcement |
| Axial locking rings | PP with glass fibre reinforcement |
| Adjustment knobs | PP with glass fibre reinforcement screws in stainless steel |
| Threaded shaft inside joints | Stainless steel |
| Damper blade | Thermo Plastic Elastomer |
| Damper adjustment handle | Aluminium, anodized |
| Internal spring | Stainless steel |
| Bearings swivel | PP with glass fibre reinforcement |
| Swivel | Aluminium |
| Rivets | Stainless steel |

Airflows

| Recommended airflows | |
|----------------------|---------------------------|
| Ø 50 | 50-110 m ³ /h |
| Ø 75 | 110-240 m ³ /h |
| Ø 100 | 200-450 m ³ /h |

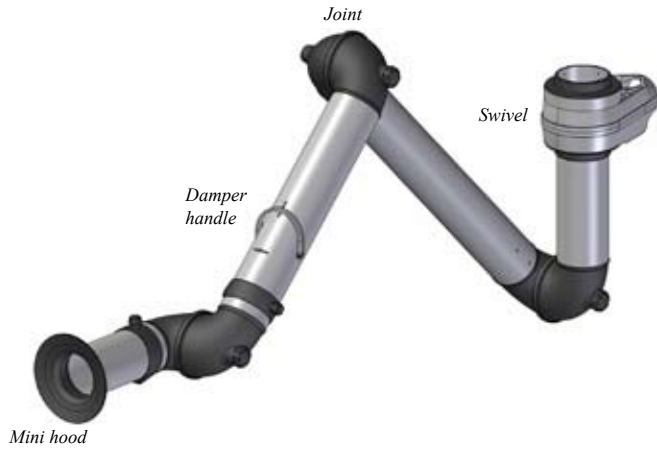
Nederman

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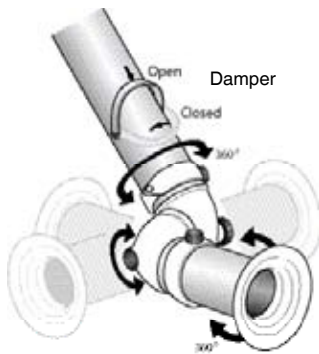
Technical Description

FX Extractor arms - ESD

Wall/ceiling/floor model - 50, 75 and 100 mm



Swivel and link functions



General description

Extractor arms mainly for use in ESD (Electrostatic discharge) environments, such as the electronic industry when working with soldering or similar. All parts have a resistance to ground less than $3.3 \times 10^6 \Omega$.

Arm sections

Thin walled anodized aluminum sections with a very good corrosion resistancy against solvents etc. In contacts with alkaline materials the surface can be stained or damaged.

Swivel

Swivel with 360 degree rotation. Add reduction for correct connection diameter.

Joints

The adjustment knobs on the friction joints are supported by ball-bearings. The first joint is supported by a spring (not $\varnothing 50-700$ and $\varnothing 100-1200$). 360 degree rotation where indicated.

Mini hood

The Mini hood is supplied together with the arm and is also interface to the multi purpose and metal hood.

Mounting

The arms can be mounted on ceilings, walls and floors or fixed to tables. By using an extension profile the arm's operational reach can be increased.

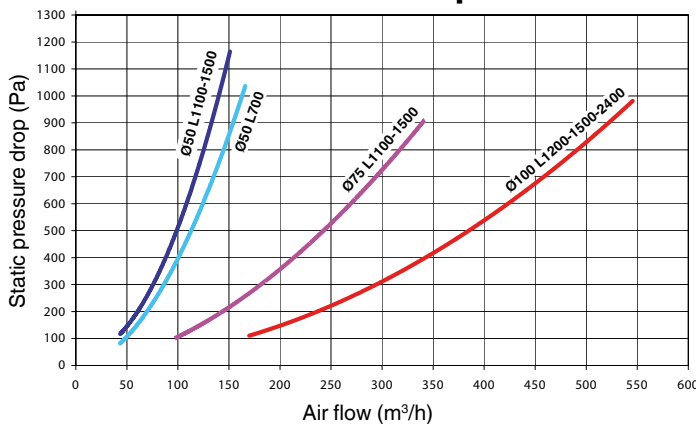
Other

All the arms are provided with dampers, tight down to an underpressure of 3500 Pa. Air temperature -10°C to 70°C . Material recovery: 99% by weight.

Accessories

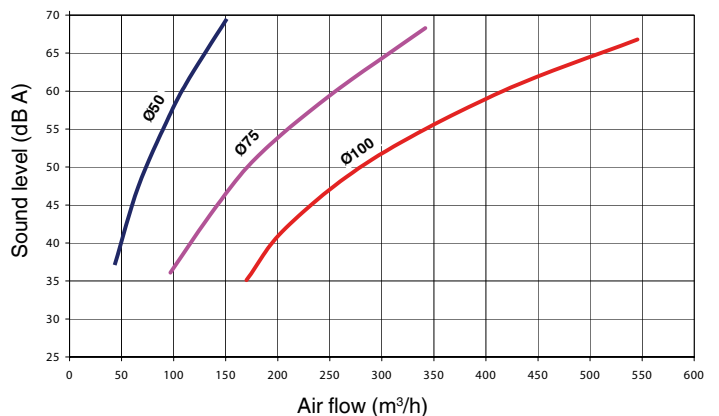
For brackets, hoods, reductions and hoses, see Technical Description "FX Extractor arms Accessories".

Pressure drop



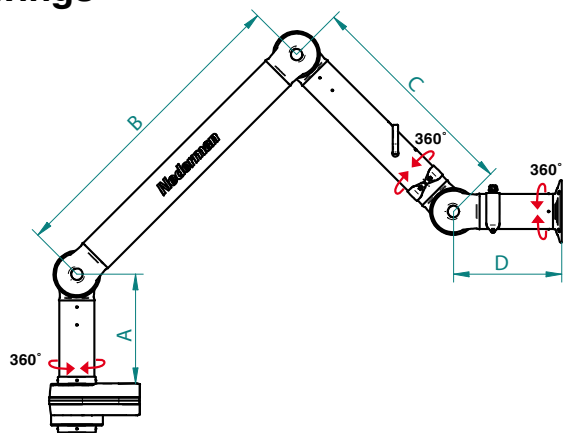
Position of arm when measured

Sound level

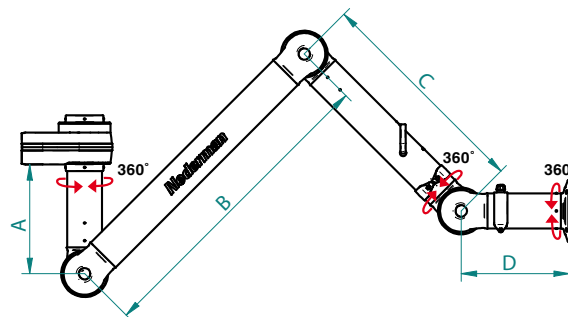


Position of arm when measured

Drawings



FX arm with ventilation connection downwards.



FX arm with ventilation connection upwards.

Measures and Part numbers

| Connection direction* | Diameter (mm) | A (mm) | B (mm) | C (mm) | D (mm) | Length (mm) | Weight (kg) | ORIGINAL Part No. |
|-----------------------|---------------|--------|--------|--------|--------|-------------|-------------|-------------------|
| Down | 50 | 250 | 400 | 400 | 230 | 1100 | 2.5 | 70530244 |
| Down | 50 | 250 | 700 | 500 | 230 | 1500 | 2.8 | 70530444 |
| Down | 75 | 250 | 420 | 420 | 250 | 1100 | 3.3 | 70560144 |
| Down | 75 | 250 | 700 | 500 | 250 | 1500 | 3.5 | 70560344 |
| Down | 100 | 330 | 750 | 750 | 270 | 1800 | 5.9 | 70590244 |
| Up/Down | 50 | 250 | 400 | - | 230 | 700 | 1.9 | 70530144 |
| Up/Down | 100 | 330 | 450 | 450 | 270 | 1200 | 4.8 | 70590144 |
| Up | 50 | 250 | 400 | 400 | 230 | 1100 | 2.5 | 70530344 |
| Up | 50 | 250 | 700 | 500 | 230 | 1500 | 2.8 | 70530544 |
| Up | 75 | 250 | 420 | 420 | 250 | 1100 | 3.3 | 70560244 |
| Up | 75 | 250 | 700 | 500 | 250 | 1500 | 3.5 | 70560444 |
| Up | 100 | 330 | 750 | 750 | 270 | 1800 | 5.9 | 70590344 |
| Up | 100 | 330 | 1010 | 1010 | 270 | 2400 | 6.9 | 70590544 |

*Note: Different spring mechanisms are fitted depending on connection direction

Materials

| Description Original arm | Material |
|------------------------------|--|
| Flange | PP, conductive |
| Tubes | Aluminium, anodized 10 µm |
| Joints | PP with glass fibre reinforcement, conductive |
| Plastic rings | PP with glass fibre reinforcement, conductive |
| Axial locking rings | PP with glass fibre reinforcement, conductive |
| Adjustment knobs | PP with glass fibre reinforcement screws in galvanized steel, conductive |
| Threaded shaft inside joints | Stainless steel |
| Damper blade | Thermo Plastic Elastomer |
| Damper adjustment handle | Aluminium, anodized 10 µm |
| Internal spring | Stainless steel |
| Bearings swivel | PP with glass fibre reinforcement, conductive |
| Swivel | Aluminium |
| Rivets | Aluminium |

Airflows

| Recommended airflows | |
|----------------------|--------------|
| Ø 50 | 50-110 m³/h |
| Ø 75 | 110-240 m³/h |
| Ø 100 | 200-450 m³/h |

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