

EVOTEC



Industrial Vacuum Cleaner EPS SuperSilent



**INNOVATIVE
EXTRACTION TECHNOLOGY**



EPS SuperSilent - 58 dB(A) High-performance industrial vacuum cleaner

EVOTEC



- ★ Parts in contact with the product made of V2A stainless steel (1.4301)
- ★ Side channel blowers for continuous operation and EX protection
- ★ Fully equipped for safety
- ★ **Very silent, only between 55-63 dB(A)**
- ★ Dirt container 35 litres

EPS 1115/2115

EPS 2130

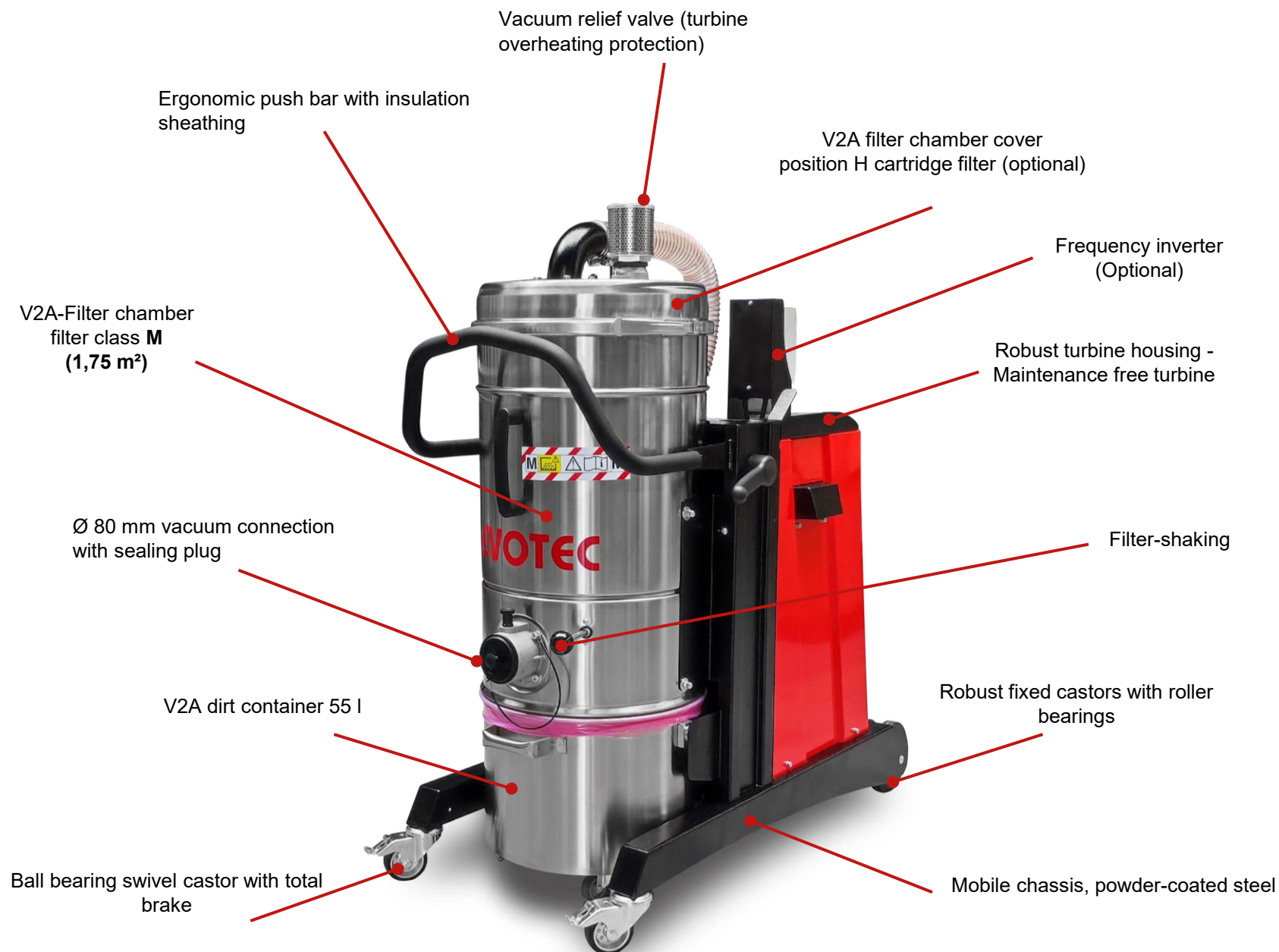
EPS 2140

Versions:



EPS SuperSilent

EVOTEC



Super-silent industrial vacuum cleaner for vacuuming all dry dusts - from coarse dirt to micro particles (µm)

High quality standards - excellent soundproofed turbine (side channel blower) - **very quiet: e.g. 58 dB(A) at 2.2 kW output.**

Suitable **for 3-shift operation.** Can also be used on pipe systems or with long hoses.

Robust and smooth-running chassis for **high mobility.** Compact, modular design with high-quality stainless steel dirt container (**V2A**).

Lowering of the dirt container for **easy disposal** of the material

1st Filter stage pocket filter with PUR-membrane, **dust class M.**
Alternative as an Upgrade: Cartridge filter system with manual atmospheric pressure cleaning. (**PFA m. ADA**)

2nd filter stage Absolut-cartridge filter, **dust class H (H14).**

Effective, easy-to-use **filter cleaning** for high filter power and long working intervals without interruption.

Vacuum gauge for filter monitoring.

Patented, tool less filter change – easy and safe for staff and maintenance.

Quick coupling with lock and turning device for safe connection of the hose.

Length connection cable: 8 m

Model		EPS 1115	EPS 2115	EPS 2130	EPS 2140
Voltage	Volt	230	400		
Engine power	Watt	1.500		3.000	4.000
Max. air volume	m³/h	220		330	410
Negative pressure	mbar	200/ 240 max.		260 / 340 max.	240 / 300max.
Filter area „M“ Filter area „H“ (H14)	m² m²	1,75 + 1,7			
Noise level	dB(A)	55		62	63
Protection class		IP 55			
Dirt container	Liter	35			
Vacuum connection	Ø mm	80			
Dimensions LxWxH	cm	108 x 55 x 163			
Weight	kg	140		150	160
Dust class M	I.-No.	151-3074	251-4004	251-4024	251-4034
Dust c. M /Type 22 	I.-No.	151-3075	251-4005	251-4025	251-4035
Dust class H	I.-No.	151-3076	251-4006	251-4026	251-4036
Dust c. H /Type 22 	I.-No.	151-3077	251-4007	251-4027	251-4037
Upgrade PFA m. ADA	I.-No.	053-3003			053-3004

In delivery included: 3,5 m hose Ø 50 mm and scoring nozzle



EPS SuperSilent - 58 dB(A) – with Longopac-System

EVOTEC



- ★ Parts in contact with the product made of V2A stainless steel (1.4301)
- ★ Side channel blowers for continuous operation and EX protection
- ★ Fully equipped for safety
- ★ **Very silent, only between 55 – 63 dB(A)**
- ★ Longopac disposal system

EPS 1115/2115-LP
EPS 2130-LP
EPS 2140-LP

Versions:



EPS SuperSilent - 58 dB(A) – mit Longopac-System

EVOTEC



Super-silent industrial vacuum cleaner for vacuuming all dry dusts - from coarse dirt to micro particles (µm)

High quality standards - excellent soundproofed turbine (side channel blower) - **very quiet: e.g. 58 dB(A) at 2.2 kW output.**

Suitable for **3-shift operation.** Can also be used on pipe systems or with long hoses.

Robust and smooth-running chassis for **high mobility.** Compact, modular design with high-quality stainless steel dirt container (**V2A**).

Easy disposal of the material with **low contamination** by **Longopac system** ("Endless bag" which is to be pulled down as needed.)

1st Filter stage pocket filter with PUR-membrane, **dust class M.**
Alternative as an Upgrade: Cartridge filter system with manual atmospheric pressure cleaning. (**PFA m. ADA**)

2nd Filter stage: Absolut-cartridge filter, **dust class H (H14).**
Effective, easy to use **filter cleaning** for long operating intervals without interruption.

Vacuum gauge for filter monitoring.

Patented, tool less filter change – easy and safe for staff and maintenance.

Fast coupling with locking mechanism and rotating device for a secure connection of the hose.

Length connection cable: 8 m

Model		EPS 1115 -LP	EPS 2115 -LP	EPS 2130 -LP	EPS 2140 -LP
Voltage	Volt	230	400		
Engine power	Watt	1.500		3.000	4.000
Max. air volume	m³/h	220		330	410
Negative pressure	mbar	200/ 240 max.		260 / 340 max.	240 / 300max.
Filter area „M“	m²	1,75 + 1,7			
Filter area „H“ (H14)	m²				
Noise level	dB(A)	55		62	63
Protection class		IP 55			
Vacuum connection	Ø mm	80			
Disposal		Longopac-System			
Dimensions LxWxH	cm	108 x 55 x 163			
Weight	kg	140		150	160
Dust class M	I.-No.	151-3070	251-4000	251-4020	251-4030
Dust c. M /Type 22 	I.-No.	151-3071	251-4001	251-4021	251-4031
Dust class H	I.-No.	151-3072	251-4002	251-4022	251-4032
Dust c. H /Type 22 	I.-No.	151-3073	251-4003	251-4023	251-4033
Upgrade PFA m. ADA	I.-No.	053-3003			053-3004

In delivery included: 3,5 m hose Ø 50 mm and scoring nozzle

Image: Optional with atmospheric pulse cleaning (PPU)



Accessories and options EVOTEC vacuum cleaners

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Pocket and cartridge filters



Dust class M
robust polyester needle felt with PTFE membrane
Non-stick property - for sticky or adhesive dusts
Heat resistant short term (30 min.) up to 200 °C
 Continuous up to 150 °C

1,75 m², Ø 400 mm = **054-20115**



Dust class M
 Polyester needle felt with **antistatic PUR membrane**
Antistatic - for the extraction of dusts that can become statically charged (**installed as standard in EVOTEC units**)

1,75 m², Ø 400 mm = **054-20127**



Dust class H (H14)

Absolute cartridge filter for all EVOTEC models
 Support grille on both sides,

Replacement filter for repurchasing
 1,7 m², Ø 400 mm = **054-20018**

Disposal



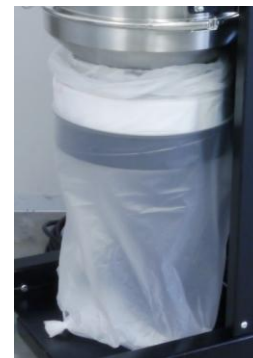
Plastic waste disposal bags,
antistatic ESD

PU = 10 pieces
 for the dust-free disposal of dust of the dust classes M and H.

Extremely stable and "nail-test"-tested. Perfect fit due to round base design - by-pass not necessary!

Suitable for:

25/35-l-Container = **235-1011**



Longopac - Bags

„Endless“ bag for easy and dust-free disposal of the material. 20 metre foil tube with cable ties for sealing.

PU = 4 units á 20 meters

Strong ESD quality

Thickness: 68 mic. **235-1050**

Strong quality (not ESD)

Thickness: 68 mic. **235-1060**



Optionally with horizontal tensioner (prevents the bag from floating up)

Accessories and options EVOTEC vacuum cleaners

EVOTEC

Device options

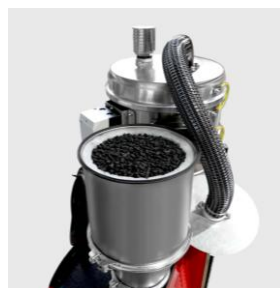


Activated carbon filter module

for absorbing odours and vapours. 4,3 kg activated carbon.

Suitable for all models with turbine chassis,
Illustration is an example

053-2060



Filter cleaning options

EVOTEC

Cartridge filter system with compressed air cleaning



When ordering in combination with Vacon-FI 10% discount

SPECIAL OFFER!

Cartridge filter system with automatic compressed air cleaning

Filter area 3 x 4.2 m² Dust class M, electrically conductive. The combination with Dust class H is possible.

Ideal for automatic and continuous cleaning of the filter cartridge during vacuuming fine or sticky dust.

The cleaning cycles of the automatic control system can be defined according to requirements. The system cleans the filter elements in the cartridge with compressed air blasts **without having to switch off the vacuum cleaner.**

Attention: external compressed air required (operating pressure 6 - 8 bar)

Scope of delivery includes: compressed air reservoir, volume expansion, control unit, cartridge filter, cleaning unit (multi jet nozzles)

For Models

EP 2122, EP 2130, EP 2140 ECO, EP 2150 ECO
053-3033 (incl. switch cabinet)

EP 2140 and EP 2155
053-3032

EP 2175 and EP 21130
053-3023

Replacement filter for later purchase Filter cartridge - Dust class M

Polyester fleece Aluminium-coated, cylindrical, electrically conductive (3 pieces are required)
L 500 mm / 4,2 m² **054-20182**



Filter cleaning options



Atmospheric pulse Cleaning (PPU)

Sudden atmospheric pressure cleans the pockets/folds of the filter at defined intervals, including automatic control

For pocket or cartridge filters

1,75 m² to 10 m²

053-3025

This requires a volume expansion:

For container Ø 400 mm, height 150 mm

053-3028

For container Ø 500 mm, height 150 mm

053-3029

→ When ordering in combination with Vacon-FI 10% discount

SPECIAL OFFER!



Electromechanical filter cleaning

The filter is cleaned automatically when the vacuum is switched off. The pockets or folds of the filter are vibrated by a shaker motor and the dust is shaken off, controlled by time relays.

Universal

053-3027

→ When ordering in combination with Vacon-FI 10% discount

SPECIAL OFFER!

Control options

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Control options



Frequency inverter (FI) for stepless speed regulation and increase of efficiency and performance of the turbine.

Functions FI Esco:

- Speed control
- Remote ON/OFF

1,5 kW – 3,0 kW	054-6943
4,0 kW – 5,5 kW	054-6944
7,5 kW – 15 kW	054-6945

Functions FI Vacon:

- Speed control
- Remote ON/OFF
- Atmospheric pressure cleaning
- PID control
- Level control
- Operating hours counter
- Vibrator motor control
- Automatic filter cleaning
- Cartridge filter cleaning

1,5 kW - 3.0 kW	054-6940
4,0 kW - 5,5 kW	054-6941
7,5 kW – 15 kW	054-6942

The FI takes over control functions. The corresponding hardware must be ordered separately as an option.



Control options



Remote ON/OFF via cable (FSK)

24 Volt with power supply unit (potential-free contact), output voltage 24 Volt AC with transfer point, motor protection relay, switch = 0/Automatic/Manual.

If not in combination with FU, FSK needs its own switch box.

Without Switch box	054-6931
With Switch box	054-6930
Bracket console Switch box	054-40208



Upgrade soft start with star-delta contactor combination up to 5.5 kW **054-6935**



Remote ON / OFF via Radio (FSF)

Including handheld transmitter and receiver, works to 350 m range

If not in combination with FU, FSK needs its own switch box.

With out Switch box	054-6933
with Switch box	054-6932
Bracket console Switch box	054-40208

Additional handheld transmitter **054-60322**

Pre-separators

EVOTEC

Dry pre-separators



Pre-separator with Longopac disposal system

Stainless steel container with Longopac disposal system for easy pre-separation of the material.

"Endless" bag for easy and low-contamination disposal.

With pipe bend connection piece

1 x Ø 60 mm **053-2032**
2 x Ø 50 mm **053-2033**

Suitable vacuum and connection hoses for pre-separators can be found in the accessories.



Filter pre-separator V2A

60 litres dirt container with simple lever lowering for convenient disposal of the material.

Robust barge chassis including accessory basket. Connection pipe Ø 80 mm

Dust class M

incl. pocket filter 2.2 m² filter area
053-2030

Suitable absolute filter cartridge Dust class H - 2,0 m² Filter area

054-20027

Suitable vacuum and connection hoses for pre-separators can be found in the accessories.

Wet pre-separators



Pre-separator 100 Litres

Completely made of stainless steel with 4 swivel castors.

Various connecting bends:

Ø 60 + Ø 50 mm = **053-1090**
Ø 60 + Ø 40 mm = **053-1091**
Ø 50 + Ø 50 mm = **053-1092**
Ø 40 + Ø 40 mm = **053-1093**
Ø 40 + Ø 50 mm = **053-1094**

Attention: Hose requires two muffs on the vacuum side.

Float system for pre-separators

To vacuum liquids **053-1051**

Drain hose for pre-separator

universally suitable **053-3010**

Suitable vacuum and connection hoses for pre-separators can be found in the accessories.



Wet pre-separator V2A

140 litres dirt container V2A with robust tilting chassis.

Drain hose for easy disposal of liquids.

Including float system for pre-separator

Connecting elbow Ø 60 and vacuum bend Ø 50 mm

Attention: The hose to be used requires two muffs on the vacuum side!

053-1070

Practical accessory sets

Machine cleaning Set

optimal for cleaning
of production machines, completely antistatic

Consisting of mass vacuum nozzle,
inclined pipe rubber nozzle, pointed rubber nozzle

Ø 40 mm **052-1081**
Ø 50 mm **052-1071**



Height cleaning set

For cleaning at height, e.g. of supply pipes

consisting of 4 hand tubes Ø 40 mm, each 500 mm long (052-1100 including
connector from Ø 40 to Ø 50 mm),

pipe elbow nozzles 100 mm and 200 mm,
and a wall and floor nozzle

Ø 40 mm **052-1090**
Ø 50 mm **052-1100**



Industrial floor cleaning set

for the cleaning of all floors,
completely antistatic



Consisting of multi-part hand tube, metal roller nozzle with brush strips and
replacement rubber strips

Ø 40 mm, working width 370 mm **052-1031**
Ø 40 mm, working width 450 mm **052-1036**
Ø 50 mm, working width 370 mm **052-1041**
Ø 50 mm, working width 450 mm **052-1051**
Ø 50 mm, working width 500 mm **052-1061**



On our YouTube channel you will find helpful application
videos for industrial floor cleaning.

YouTube



(All Ø specifications refer to the hose inner diameter)

PP-Hoses and - components

Hose material Polypropylene (PP), antistatic, with matching connection sleeves.
Best suitable material for industrial use.



PP-Hose
antistatic, complete with fittings

3,5 m lang Ø 40 mm =	052-0151
3,5 m lang Ø 50 mm =	052-0248
5 m lang Ø 40 mm =	052-0152
5 m lang Ø 50 mm =	052-0249



Linear Meter, antistatic
(for extension or self-assembly)

Ø 40 mm =	052-0130
Ø 50 mm =	052-0230



Hose sleeve (vacuum side)
for PP-Hose antistatic

Ø 40 mm =	052-0140
Ø 50 mm =	052-0240



Hose sleeve (boiler side)
for PP-Hose antistatic
Including retaining ring

Ø 80 - 40 mm =	052-0159
Ø 80 - 50 mm =	052-0256

Superflex hoses and - components

Hose material made of polypropylene (PP), thread-reinforced and spiral-supported
Particularly light and flexible even over longer distances. Best suitable material for industrial use. Conductive = conductive when the spiral is grounded



Superflex-Hose,
conductive, complete with sleeves

3,5 m Ø 40 mm =	052-0153
3,5 m Ø 50 mm =	052-0250
5 m Ø 40 mm =	052-0154
5 m Ø 50 mm =	052-0251



Linear Meter, conductive
(for extension or self-assembly)

Ø 40 mm =	052-0133
Ø 50 mm =	052-0233
Ø 60 mm =	054-90037



Hose sleeve (vacuum side)
for Superflex-Hose antistatic

Ø 40 mm =	052-0139
Ø 50 mm =	052-0239



Hose sleeve (boiler side)
including retaining ring
for Superflex-Hose antistatic

Ø 80 - 40 mm =	052-0158
Ø 80 - 50 mm =	052-0255

(All Ø specifications refer to the hose inner diameter)

PUR-hoses and - components

Hose material: polyurethane (PUR). Reinforced by integrated steel spiral. Oil resistant, very stable and suitable for abrasive dusts. Heat resistant to 125°C. Highly suitable material for extreme industrial use.

Conductive = Conductive when the spiral is grounded



PUR-hose, conductive, complete with sleeves

3,5 m long Ø 40 mm = **052-0155**
 3,5 m long Ø 50 mm = **052-0252**
 5 m long Ø 40 mm = **052-0156**
 5 m long Ø 50 mm = **052-0253**

Running metre, conductive
 (for extension or self-assembly)



Ø 40 mm = **052-0136**
 Ø 50 mm = **052-0236**
 Ø 70 mm = **052-0309**

reinforced version:
 Ø 40 mm = **052-0157**
 Ø 50 mm = **052-0254**
 Ø 70 mm = **052-0310**



Hose sleeve (vacuum side)
for PUR-Hose antistatic

Ø 40 mm = **052-0141**
 Ø 50 mm = **052-0241**
 Ø 70 mm = **052-0311**



Hose sleeve (boiler side)
for PUR-Hose antistatic
Including retaining ring

Ø 80 - 40 mm = **052-0160**
 Ø 80 - 50 mm = **052-0257**

ESD-hoses and - components

Hose material: polyurethane (PUR) or polypropylene (Superflex). Both spiral supported, Superflex additionally thread-reinforced. Ideally suited material for industrial use in potentially explosive areas.

Completely electrically conductive 10³ to 10⁴ Ω.



ESD-Superflex-Hose

Completely electrically conductive 10⁴ Ω, light and flexible, spiral-supported and thread-reinforced

Ø 40 mm = **052-0200**
 Ø 50 mm = **052-0287**



ESD-PUR-Hose

Completely electrically conductive 10³ Ω robust and spiral supported

Ø 40 mm = **052-0196**
 Ø 50 mm = **052-0281**



Hose sleeve (vacuum side)

for **ESD-Superflex-Hose** antistatic
 Ø 40 mm = **052-0139**
 Ø 50 mm = **052-0239**

for **ESD-PUR-Hose** antistatic
 Ø 40 mm = **052-0141**
 Ø 50 mm = **052-0241**



Hose sleeve (boiler side)
Including retaining ring

for **ESD-Superflex-Hose** antistatic
 Ø 80 - 40 mm = **052-0158**
 Ø 80 - 50 mm = **052-0255**

for **ESD-PUR-Hose** antistatic
 Ø 80 - 40 mm = **052-0160**
 Ø 80 - 50 mm = **052-0257**



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