

EVOTEC



Robusto Robusto LP



INNOVATIVE
EXTRACTION
TECHNOLOGY



ROBUSTO – 400 Volt



- ★ Crane eyes for easy transport
- ★ Large castors for uneven terrain
- ★ Convenient dirt container lowering for easy disposal
- ★ Extra strong chassis
- ★ **TRGS 519** certificated version for **Asbestos**-works available

Until 3,0 kW:



As of 4,0 kW:



Image shows ROBUSTO 2155-100 with activated carbon filtration

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ROBUSTO 1122
ROBUSTO 2115
ROBUSTO 2122
ROBUSTO 2130
ROBUSTO 2155
ROBUSTO 2175

Versions:



ROBUSTO – 400 Volt

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Image shows: ROBUSTO 2155-100



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

High quality standards - Well-designed, soundproofed and maintenance-free turbine (side channel blower) as vacuum generator. **Suitable for 3-shift operation.**

Cyclone separator for better pre-separation of fine dusts and coarse material.

Effective, easy-to-use **filter cleaning** for long working intervals without interruption. **Vacuum gauge** for filter monitoring.

1st Filter stage:

Dust class M Resistant polyester needle felt filter with **PUR membrane**, high filtering power for long service life.

Patented tool-free and **low-contamination filter change.**





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

Length connection cable: 8 m

ASBESTOS version including 5,0 m exhaust air hose Ø 70 mm.

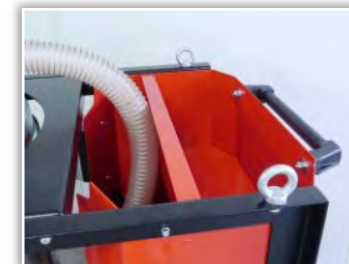
UPGRADE: 2nd Filter stage cartridge filter H (H14).

UPGRADE: GS and/or EX (Type22) Rotation direction phase monitor and vacuum limiting valve **for trouble-free use of the unit.**

Model		ROBUSTO 1122	ROBUSTO 2115	ROBUSTO 2122	ROBUSTO 2130	ROBUSTO 2155	ROBUSTO 2175
Voltage	Volt	230	400			400 *)	400
Engine power	Watt	2.200	1.500	2.200	3.000	5.500	7.500
Max. air volume	m³/h	310	220	330		480	700
Negative pressure	mbar	220 / 260 max.	200 / 240 max.	240 / 300 max.	260 / 340 max.	260 / 340 max.	260 / 320 max.
Filter area „M“	m²	1,75				3,2	
Filter area „H“ (H14)	m²	+ 1,7				+ 4,3	
Dirt container	ltr.	35				100	
Protection class		IP 55					
Noise level	dB(A)	76			77	78	
Vacuum connection	Ø mm	80					
Dimensions LxWxH	cm	94 x 60 x 120				110 x 68 x 152	
Weight	kg	143		151	153	198	218
Standard version Dust class M	I.-No.	151-3050	251-4135	251-4136	251-4140	251-4170	251-4190
Upgrade Dust c. H	I.-No.	054-20018				054-2280	
Upgrade 	I.-No.	054-6435				054-6455	
Upgrade  + 	I.-No.	054-6433				054-6453	
Dust c. H/Asbest completely incl. 	I.-No.	151-3051	251-4091	251-4104	251-4111	251-4121	251-4131

*) Direct start-up (optionally available with star-delta smooth start 054-6935)

Until 5,5 kW scope of delivery includes 3,5 m hose Ø 50 mm and scoring nozzle



ROBUSTO – LP – 400 Volt

EVOTEC



- ★ Crane eyes for easy transport
- ★ Large castors for uneven terrain
- ★ Longopac-System or dust-free disposal
- ★ Filter chamber lift for space-saving transport
- ★ Extra strong chassis
- ★ **TRGS 519** certificated
Version for **Asbestos**-works available

Until 3,0 kW:



As of 4,0 kW:



Image shows Asbestos version

ROBUSTO 1122-LP
ROBUSTO 2115-LP
ROBUSTO 2122-LP
ROBUSTO 2130-LP
ROBUSTO 2155-LP
ROBUSTO 2175-LP

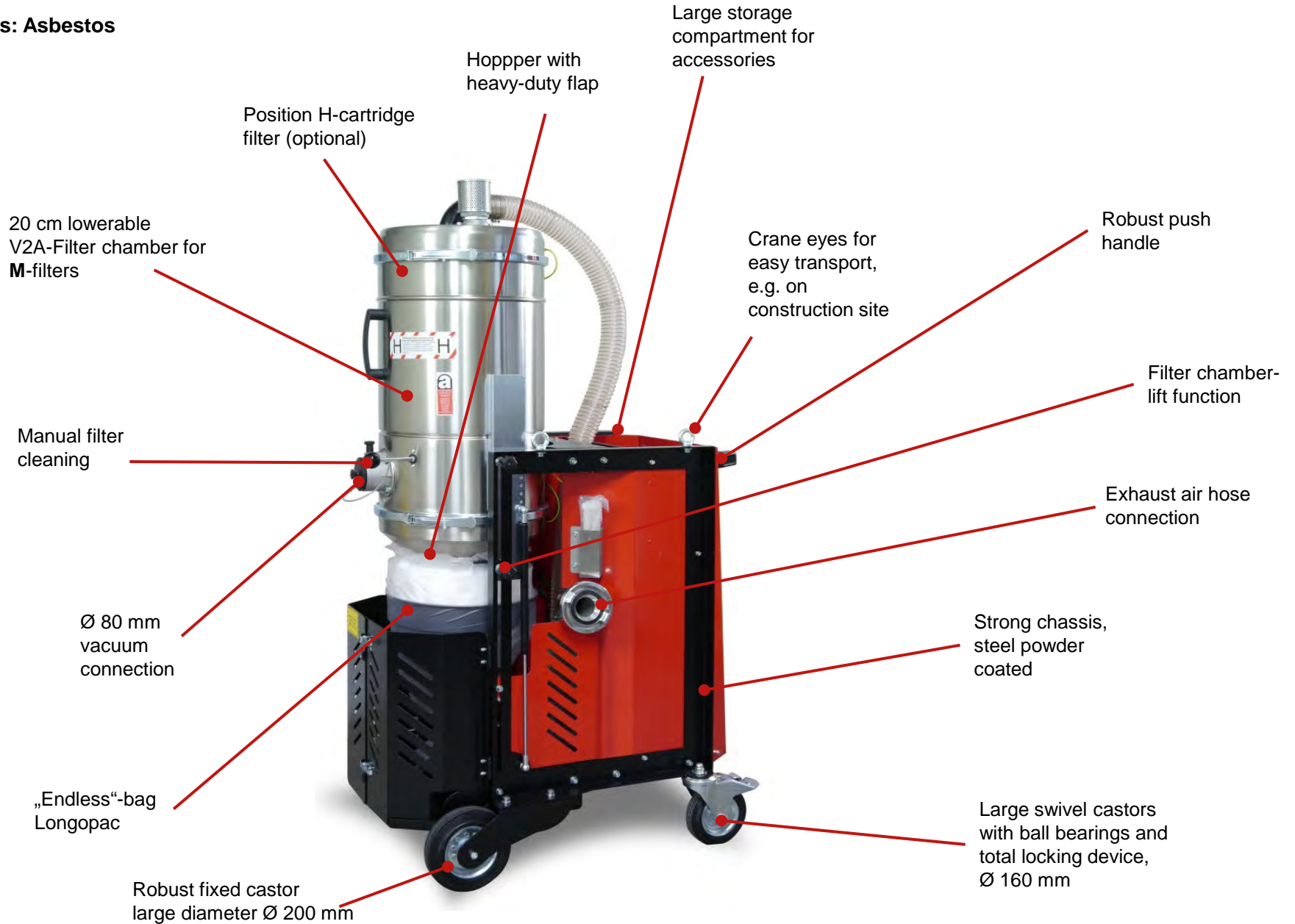
Version:



Robusto LP

EVOTEC

Image shows: Asbestos version



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

High quality standards - Well-designed, soundproofed and maintenance-free turbine (side channel blower) as vacuum generator. **Suitable for 3-shift operation.**

Cyclone separator for better pre-separation of fine dusts and coarse material.

Longopac-disposal system

"Endless" plastic bag for easy and low-contamination disposal of the material.

Effective, easy-to-use **filter cleaning** for long working intervals without interruption. **Vacuum gauge** for filter monitoring.

1st Filter stage:

Dust class M Resistant polyester needle felt filter with **PUR membrane**, high filtering power for long service life.

Patented tool-free and **low-contamination filter change.**





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

Length connection cable: 8 m

ASBESTOS version including 5,0 m exhaust air hose Ø 70 mm

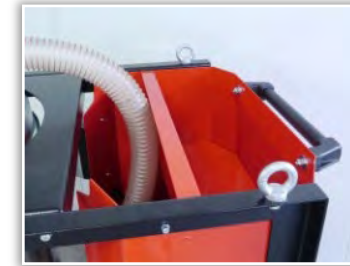
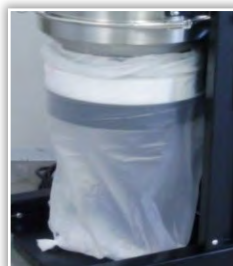
UPGRADE: 2nd Filter stage cartridge filter H (H14).

UPGRADE: GS and/or EX (Type22) Rotation direction phase monitor and vacuum limiting valve **for trouble-free use of the unit.**

Model		ROBUSTO 1122-LP	ROBUSTO 2115-LP	ROBUSTO 2122-LP	ROBUSTO 2130-LP	ROBUSTO 2155-LP	ROBUSTO 2175-LP
Voltage	Volt	230	400			400 *)	400
Engine power	Watt	2.200	1.500	2.200	3.000	5.500	7.500
Max. air volume	m³/h	310	220	330		480	700
Negative pressure	mbar	220 / 260 max.	200 / 240 max.	240 / 300 max.	260 / 340 max.	260 / 340 max.	260 / 320 max.
Filter area „M“	m²	1,75				3,2	
Filter area „H“ (H14)	m²	+ 1,7				+ 4,3	
Disposal	ltr.	Longopac-System					
Protection class		IP 55					
Noise level	dB(A)	76			77	78	
Vacuum connection	Ø mm	80					
Dimensions LxWxH	cm	94 x 60 x 120 - 163 cm (Height during operation)				110 x 68 x 125 - 173	
Weight	kg	140	140	148	150	195	215
Standard version. Dust class M	I.-No.	151-3060	251-4137	251-4134	251-4150	251-4180	251-4200
Upgrade Dust c. H	I.-No.	054-20018				054-2280	
Upgrade 	I.-No.	054-6435				054-6455	
Upgrade  + 	I.-No.	054-6433				054-6453	
Dust c. H/Asbest completely incl. 	I.-No.	151-3061	251-4093	251-4103	251-4113	251-4123	251-4133

*) Direct start-up (optionally available with star-delta smooth start 054-6935)







Until 5,5 kW scope of delivery includes 3,5 m hose Ø 50 mm and scoring nozzle



Accessories and options EVOTEC vacuum cleaners





Pocket filters for all EVOTEC models									
(When subsequently changing from 2.2 m ² to 3.2 m ² , the filter basket must also be replaced)									
	<p>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</p> <table> <tr> <td>1,75 m², Ø 400 mm =</td> <td>054-20115</td> </tr> <tr> <td>2,20 m², Ø 500 mm =</td> <td>054-20116</td> </tr> <tr> <td>3,20 m², Ø 500 mm (Img.) =</td> <td>054-20117</td> </tr> <tr> <td>5,20 m², Ø 500 mm =</td> <td>054-20118</td> </tr> </table>	1,75 m ² , Ø 400 mm =	054-20115	2,20 m ² , Ø 500 mm =	054-20116	3,20 m ² , Ø 500 mm (Img.) =	054-20117	5,20 m ² , Ø 500 mm =	054-20118
	1,75 m ² , Ø 400 mm =	054-20115							
2,20 m ² , Ø 500 mm =	054-20116								
3,20 m ² , Ø 500 mm (Img.) =	054-20117								
5,20 m ² , Ø 500 mm =	054-20118								
	<p>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)</p> <table> <tr> <td>1,75 m², Ø 400 mm =</td> <td>054-20127</td> </tr> <tr> <td>2,20 m², Ø 500 mm (Abb.) =</td> <td>054-20128</td> </tr> <tr> <td>3,20 m², Ø 500 mm =</td> <td>054-20129</td> </tr> <tr> <td>5,20 m², Ø 500 mm =</td> <td>054-20130</td> </tr> </table>	1,75 m ² , Ø 400 mm =	054-20127	2,20 m ² , Ø 500 mm (Abb.) =	054-20128	3,20 m ² , Ø 500 mm =	054-20129	5,20 m ² , Ø 500 mm =	054-20130
	1,75 m ² , Ø 400 mm =	054-20127							
2,20 m ² , Ø 500 mm (Abb.) =	054-20128								
3,20 m ² , Ø 500 mm =	054-20129								
5,20 m ² , Ø 500 mm =	054-20130								

Disposal						
	<p>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:</p> <table> <tr> <td>35-l-Container =</td> <td>235-1011</td> <td rowspan="2"></td> </tr> <tr> <td>100-l-Container =</td> <td>235-1031</td> </tr> </table>	35-l-Container =	235-1011		100-l-Container =	235-1031
	35-l-Container =	235-1011				
100-l-Container =	235-1031					
 	<p>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</p> <p><i>Optionally with horizontal tensioner (prevents the bag from floating up)</i></p>					

Accessories

Options / Accessories ROBUSTO line	
	<p>Upgrade to dust class H Absolute cartridge filter Dust class H (H14), support grids on both sides</p> <p>1,7 m², Ø 400 mm = 054-20018 2,0 m², Ø 500 mm = 054-20027 4,3 m², Ø 500 mm = 054-20033</p>
<p>Until 3,0 kW:</p> 	<p>As of 4,0 kW:</p>  <p>Upgrade "Tested Safety" GS equipment - including certificate Equipment according to DIN 60335-2-69 for the use of the vacuum cleaner in areas with high safety requirements.</p> <p>Incl. Phase inverter plug, rotation direction monitor for 2,2 - 3,0 kW = 054-6435 for 5,5 - 7,5 kW = 054-6455</p>
	<p>Upgrade EX-protected for zone 22 including certificate (GS or DGUV) Explosion-proof equipment of the vacuum cleaner for safe extraction of explosive dusts according to ATEX in zone 22.</p> <p>Including vacuum limiting valve, phase reversing plug, rotation direction monitor for 2,2 - 3,0 kW = 054-6433 for 5,5 - 7,5 kW = 054-6453</p>
	<p>Exhaust air Hose Complete with Storz coupling for connection to exhaust air spigot, diameter Ø 70 mm</p> <p>1,5 kW to 5,5 kW = 053-3092 7,5 kW = 053-3093</p>

Device options	
	<p>Activated carbon filter module for absorbing odours and vapours. 4,3 kg activated carbon.</p> <p>Suitable for all models with turbine chassis, illustration is an example</p> <p>053-2060</p> 

Cartridge filter system with compressed aircleaning



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 of 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

Robusto 1122 up until 2130
053-3033 (incl. switch cabinet)

Robusto 2155
053-3032

Robusto 2175
053-3023

Replacement filter for later purchase Filter cartridge - Dust class M

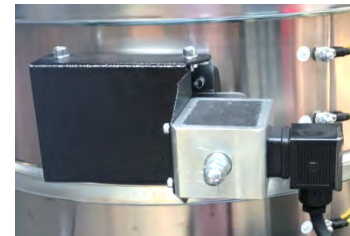
Polyester fleece Aluminium-coated, cylindrical, electrically conductive (3 pieces are required)
L 500 mm / 4,2 m² **054-20182**



When ordering in combination with Vacon-FI 10% discount



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








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



Control options		Control options	
	<p>Frequency inverter (FI) for stepless speed regulation and increase of efficiency and performance of the turbine.</p> <p>Functions FI Esco:</p> <ul style="list-style-type: none"> - Speed control - Remote ON/OFF <p>1,5 kW – 3,0 kW 054-6943 4,0 kW – 5,5 kW 054-6944 7,5 kW – 15 kW 054-6945</p>	 <p>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. <u>If not in combination with FU, FSK needs its own switch box.</u></p> <p>Without Switch box 054-6931 With Switch box 054-6930 Bracket console Switch box 054-40208</p>	
	<p>Functions FI Vacon:</p> <ul style="list-style-type: none"> - Speed control - Remote ON/OFF - Atmospheric pressure cleaning - PID control - Level control - Operating hours counter - Vibrator motor control - Automatic filter cleaning - Cartridge filter cleaning <p>1,5 kW - 3.0 kW 054-6940 4,0 kW - 5,5 kW 054-6941 7,5 kW – 15 kW 054-6942</p> <p>The FI takes over control functions. The corresponding hardware must be ordered separately as an option.</p>		 <p>Upgrade soft start with star-delta contactor combination up to 5.5 kW 054-6935</p>
	<p>Remote ON / OFF via Radio (FSF) Including handheld transmitter and receiver, works to 350 m range <u>If not in combination with FU, FSK needs its own switch box.</u></p> <p>With out Switch box 054-6933 with Switch box 054-6932 Bracket console Switch box 054-40208</p> <p>Additional handheld transmitter 054-60322</p>		

Options

Dry pre-seperator	
	<p>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.</p> <p>With pipe bend connection piece 1 x Ø 60 mm 053-2032</p> <p>2 x Ø 50 mm 053-2033</p> <p><u>Suitable vacuum and connection hoses for pre-separators can be found online in the accessories.</u></p>
	<p>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</p> <p>Dust class M incl. pocket filter 2.2 m² filter area 053-2030</p> <p>Suitable absolute filter cartridge Dust class H - 2,0 m² Filter area 054-20027</p> <p><u>Suitable vacuum and connection hoses for pre-separators can be found online in the accessories.</u></p>

Wet pre-seperator											
	<p>Pre-separator 100 Litres Completely made of stainless steel with 4 swivel castors.</p> <p>Various connecting bends:</p> <table border="0"> <tr> <td>Ø 60 + Ø 50 mm =</td> <td>053-1090</td> </tr> <tr> <td>Ø 60 + Ø 40 mm =</td> <td>053-1091</td> </tr> <tr> <td>Ø 50 + Ø 50 mm =</td> <td>053-1092</td> </tr> <tr> <td>Ø 40 + Ø 40 mm =</td> <td>053-1093</td> </tr> <tr> <td>Ø 40 + Ø 50 mm =</td> <td>053-1094</td> </tr> </table> <p><u>Attention:</u> Hose requires two muffs on the vacuum side.</p> <p>Float system for pre-separators for vacuuming of liquids 053-1051</p> <p>Drain hose for pre-separator universally suitable 053-3010</p> <p><u>Suitable vacuum and connection hoses for pre-separators can be found online in the accessories.</u></p>	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
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										
	<p>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</p> <p><u>Attention: The vacuum hose to be used requires two muffs on the vacuum side!</u></p> <p>053-1070</p>										

Options

	<p>Container with hinged floor 1000 liters With Ø 80 connections For pre-separation of solids (e.g. peat, earth, sand, etc.) Tension springs dampen the bottom flap during the emptying process</p> <p>Automatic closing of the bottom flap during settling Unlocking by cable from the forklift seat Chain protection against slipping off the tines</p> <p style="text-align: right;">053-2020</p>
 	<p>Drum pre-separator 210 Litres 210 litres standard drum powder coated, diameter 595 mm, height 860 mm, universal use as pre-separator with vacuum connections Ø 40 mm = 053-1043 Ø 50 mm = 053-1044</p> <p>Float system for pre-separators Universal fit, also suitable for the kit 053-1051</p> <p>Or only as kit for drum pre-separator for self-installation, with vacuum connections Ø 40 mm = 053-1041 Ø 50 mm = 053-1042</p>

	<p>Pre-separator</p> <p>Big bag silo pre-separator For the pre-separation of solids (e.g. peat, soil, sand, etc.).</p> <p>Pre-separator container with hopper and heavy-duty flap. Connection bends 2 x Ø 100 mm</p> <p style="text-align: right;">053-2050</p> <p>Optionally available in other versions: Various discharge options</p> <ul style="list-style-type: none"> - Heavy - duty flap - Rotary valve - Butterfly valve. <p>Various connections and Ø sizes available on request.</p>
	<p>Tipping container pre-separator 500 litres With Ø 80 connections For pre-separation of solids and liquids. Tipping at any height by cable pull from the forklift seat. Stable base frame with drive-in pockets, favourable load centre of gravity. Secured against unintentional slipping and tipping out</p> <p style="text-align: right;">053-2010</p>

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**



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**



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**



YouTube



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

(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.

	<p>PP- Hose antistatic, complete with fittings</p> <p>3,5 m long Ø 40 mm = 052-0151 3,5 m long Ø 50 mm = 052-0248 5 m long Ø 40 mm = 052-0152 5 m long Ø 50 mm = 052-0249</p>
	<p>Linear Meter, antistatic (for extension or self-assembly)</p> <p>Ø 40 mm = 052-0130 Ø 50 mm = 052-0230</p>
	<p>Hose sleeve (vacuum side) for PP-Hose antistatic</p> <p>Ø 40 mm = 052-0140 Ø 50 mm = 052-0240</p>
	<p>Hose sleeve (boiler side) for PP- Hose antistatic Including retaining ring</p> <p>Ø 80 - 40 mm = 052-0159 Ø 80 - 50 mm = 052-0256</p>

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

	<p>Superflex- Hose, conductive, complete with sleeves</p> <p>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</p>
	<p>Linear Meter, conductive (for extension or self-assembly)</p> <p>Ø 40 mm = 052-0133 Ø 50 mm = 052-0233 Ø 60 mm = 054-90037</p>
	<p>Hose sleeve (vacuum side) for Superflex- Hose antistatic</p> <p>Ø 40 mm = 052-0139 Ø 50 mm = 052-0239</p>
	<p>Hose sleeve (boiler side) including retaining ring for Superflex-Hose antistatic</p> <p>Ø 80 - 40 mm = 052-0158 Ø 80 - 50 mm = 052-0255</p>

(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**

Notizen

EVOTEC

Notizen

EVOTEC

Notizen

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