

EVOTEC



Industrial Vacuum Cleaner Robusto



**INNOVATIVE
EXTRACTION TECHNOLOGY**



ROBUSTO – 400 Volt

EVOTEC



- ★ 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

Image shows ROBUSTO 2155-100 with activated carbon filtration

ROBUSTO 1122
ROBUSTO 2115
ROBUSTO 2130
ROBUSTO 2155
ROBUSTO 2175

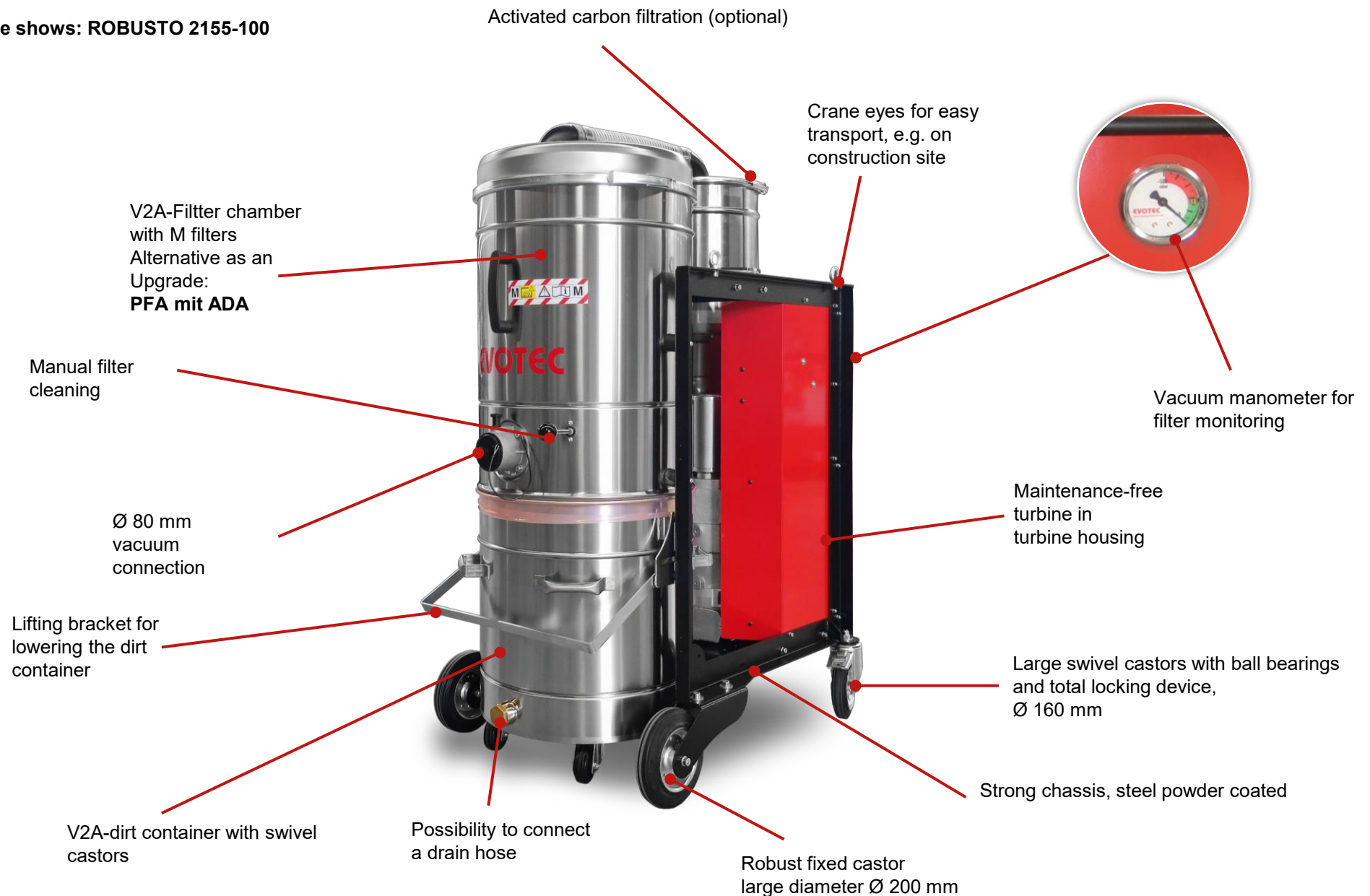
Versions:



ROBUSTO – 400 Volt

EVOTEC

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.

Alternative as an Upgrade:

Cartridge filter system with manual atmospheric pressure cleaning (**PFA m. ADA**).

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 $\varnothing$ 70 mm.

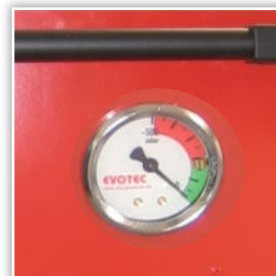
UPGRADE: 2nd Filter stage cartridge filter H (H14).

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 2130	ROBUSTO 2155	ROBUSTO 2175
Voltage	Volt	230	400		400 *)	400
Engine power	Watt	2.200	1.500	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.	260 / 340 max.	260 / 340 max.	260 / 320 max.
Filter area „M“ Filter area „H“ (H14)	m² m²	1,75 + 1,7			3,2 + 4,3	
Dispoal	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		153	198	218
Standard version. Dust class M	I.-No.	151-3060	251-4137	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.	151-3051	251-4091	251-4111	251-4121	251-4131
Upgrade PFA m. ADA	I.-No.	053-3003			053-3004	053-3005

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

Until 5,5 kW scope of delivery includes 3,5 m hose $\varnothing$ 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

Image shows Asbestos version

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

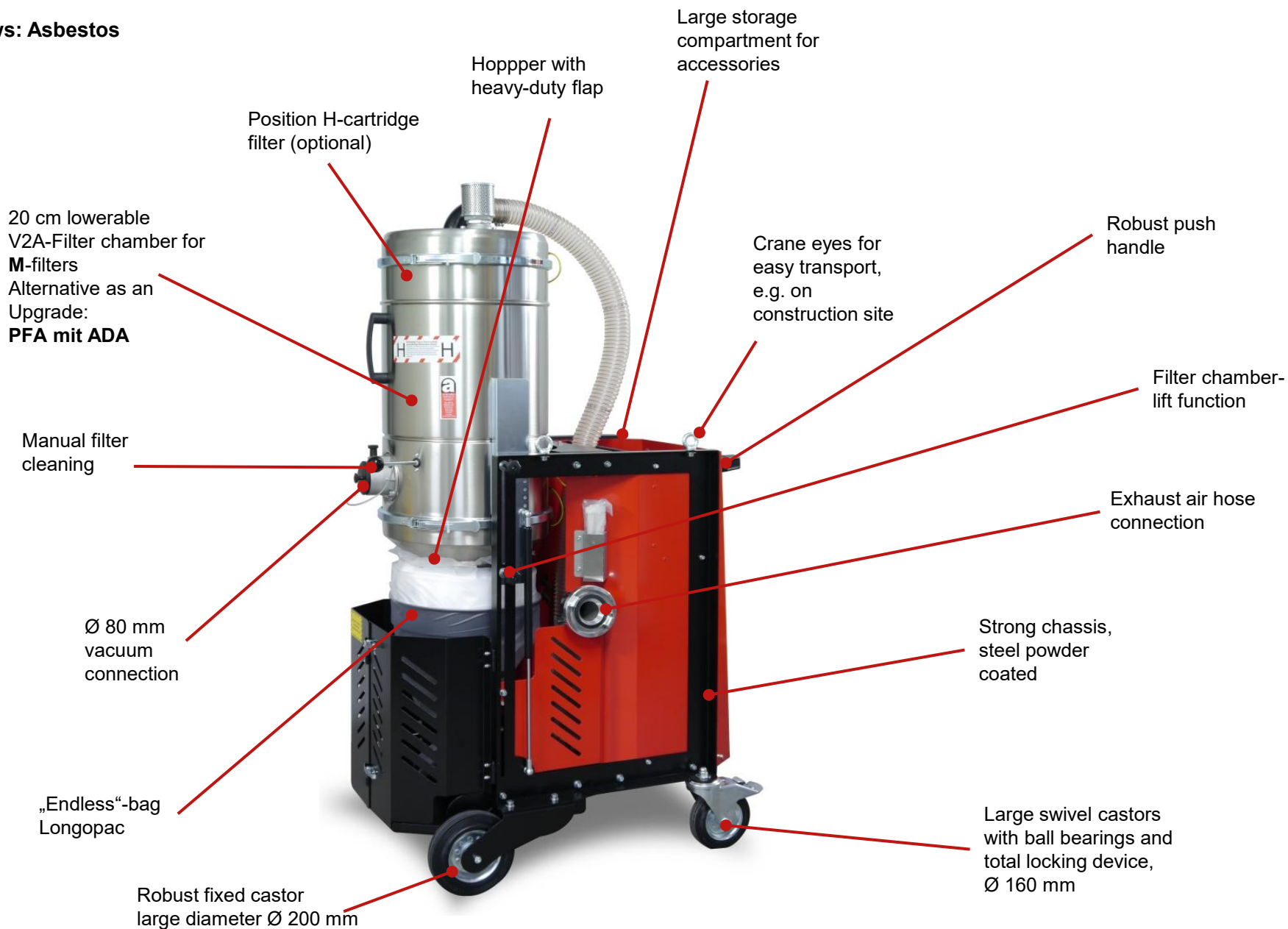
Version:



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.

Alternative as an Upgrade:

Cartridge filter system with manual atmospheric pressure cleaning (**PFA m. ADA**).

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 $\varnothing$ 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 2130-LP	ROBUSTO 2155-LP	ROBUSTO 2175-LP
Voltage	Volt	230	400		400 *)	400
Engine power	Watt	2.200	1.500	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.	260 / 340 max.	260 / 340 max.	260 / 320 max.
Filter area „M“ Filter area „H“ (H14)	m² m²	1,75 + 1,7			3,2 + 4,3	
Dispoal	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	150	195	215
Standard version. Dust class M	I.-No.	151-3060	251-4137	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	251-4113	251-4123	251-4133
Upgrade PFA m. ADA	I.-No.	053-3003			053-3004	053-3005

*) Direct start-up (optionally available with star-delta smooth start 054-6935)
Until 5,5 kW scope of delivery includes 3,5 m hose $\varnothing$ 50 mm and scoring nozzle



Accessories and options EVOTEC vacuum cleaners

EVOTEC

Pocket filters for all EVOTEC models

(When subsequently changing from 2.2 m² to 3.2 m², the filter basket must also be replaced)



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 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



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 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



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:

35-l-Container =	235-1011
100-l-Container =	235-1031



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

EVOTEC

Options / Accessories ROBUSTO line



Upgrade to dust class H

Absolute cartridge filter
Dust class H (H14), support grids on both sides

1,7 m², Ø 400 mm = **054-20018**
2,0 m², Ø 500 mm = **054-20027**
4,3 m², Ø 500 mm = **054-20033**

Until 3.0 kW:



As of 4.0 kW:



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.

Incl. Phase inverter plug, rotation direction monitor
for 2,2 - 3,0 kW = **054-6435**
for 5,5 - 7,5 kW = **054-6455**

Upgrade EX-protected for zone 22 including certificate (GS or DGVV)

Explosion-proof equipment of the vacuum cleaner for safe extraction of explosive dusts according to ATEX in zone 22.

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**



Exhaust air Hose

Complete with Storz coupling for connection to exhaust air spigot, diameter Ø 70 mm

1,5 kW to 5,5 kW = **053-3092**
7,5 kW = **053-3093**

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



Options

EVOTEC

Cartridge filter system with compressed aircleaning



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 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**



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!

Options

EVOTEC

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**

Options

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Dry pre-seperator



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 online 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 online in the accessories.

Wet pre-seperator



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

for vacuuming of liquids **053-1051**

Drain hose for pre-separator
universally suitable **053-3010**

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



Wet pre-seperator 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 vacuum hose to be used requires two muffs on the vacuum side!

053-1070

Options

EVOTEC

Pre-seperator



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

Automatic closing of the bottom flap during settling

Unlocking by cable from the forklift seat

Chain protection against slipping off the tines

053-2020



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**

Float system for pre-separators

Universal fit, also suitable for the kit

053-1051

Or only as kit for drum pre-separator

for self-installation, with vacuum connections

Ø 40 mm = **053-1041**

Ø 50 mm = **053-1042**



Pre-seperator



Big bag silo pre-separator

For the pre-separation of solids (e.g. peat, soil, sand, etc.).

Pre-separator container with hopper and heavy-duty flap.

Connection bends 2 x Ø 100 mm

053-2050

Optionally available in other versions:

Various discharge options

- Heavy
- duty flap
- Rotary valve
- Butterfly valve.

Various connections and Ø sizes available on request.



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

053-2010

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.



PP- Hose
antistatic, complete with fittings
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**



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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