



Industrial vacuum cleaner for flammable dust

Electrical

ESS ** EX

CE 0158 EX II 1/3/2 D 125°C RL 94/9/EG



Mobile vacuum cleaner for Ex-Zone 21 and 22

Application

This vacuum cleaner is tested and certificated for applications where all kind of none flammable and flammable dust is to be recovered. Mobile, powerful vacuum cleaner, which also can be used as a stationary vacuum unit in the chemical-, pharmaceutical- and petrochemical industry as well as any other companies with an explosion protected area.

Due to the short preparation time and easy handling are the units quick serviceable to recover dust or solid product rests.

The units are designed with a detachable recovery tank on wheels with a capacity of 35 or 50 liters. The goods can be recovered directly in the stainless steel tank or in a conductive polyliner bag with a special lid. The bags are very useable for easy emptying of recovered materials and for the dust-free disposal.

The vacuum cleaner will be delivered with a M (1 micron) filter and a HEPA filter (Type H14, efficiency of 99.997%). The filter can be cleaned with the filter cleaning systems FDR (manual reverse purge).



Features / Advantages

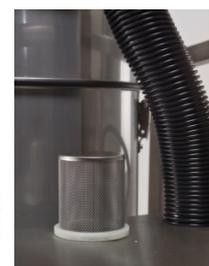
- Can be used to recover flammable dust
- Reliable and built-to-last side canal blower
- Available in different power levels
- Mobile units
- Highest safety and technical quality
- All stainless steel construction incl. cart
- Reduced noise level
- Robust yet light weight
- Filter units can be cleaned and changed very easy
- Easy handling and virtually maintenance free
- Filter cleaning system FDR



FDR Filter cleaning system



Polyliner bag with lid



Diffusser



All accessories are made of electrical conductive materials.

Accessories	
Type	Part number
Polyliner bag	2003452
Suction hose EX	see accessories catalogue
Nozzles EX	see accessories catalogue
Separator EX	see accessories catalogue
Technical features	
Engine	Electrical Motor EX
Power	1,1 / 2,2 / 4,0 kW
Normal Voltage	400 V / 50 Hz. [IP 65]
Suction volume	145 / 210 / 320 m³/h max.
Vacuum	170 / 220 / 270 mbar max.
Capacity	35 / 50 Liter
Filter area	20.000 cm²
Hose entry	60 mm (can be reduced)
Weight	77 / 85 / 102 kg
Noise level	67 dB (A)
Dimensions LxWxH	950x600x1150 / 1390 mm

Type	L	Filterclass	Medium	Part no.
ESS 1,1 EX	35	M / H	flammable dust	2004934
ESS 1,1 EX	50	M / H	flammable dust	2004935
ESS 2,2 EX	35	M / H	flammable dust	2004936
ESS 2,2 EX	50	M / H	flammable dust	2004937
ESS 4,0 EX	35	M / H	flammable dust	2004938
ESS 4,0 EX	50	M / H	flammable dust	2004939
Supplied with:				Part no.
Filter 1: Prefilter Filterclass M (electr. conductive)				2009550
Filter 2: Mainfilter HEPA H14 / 99,997 %				2003996
FDR Filter cleaning system				2005010