

Subject to modifications.

GEA Separator

Technical data

The GEA vacuum separator is a critical component utilized within a dense phase vacuum conveying system. A vacuum pump is connected to the vacuum port of the vacuum separator which enables the separator to dense phase powder from the various sources connected to the separator. The conveyed powder is subsequently discharged into the process below.

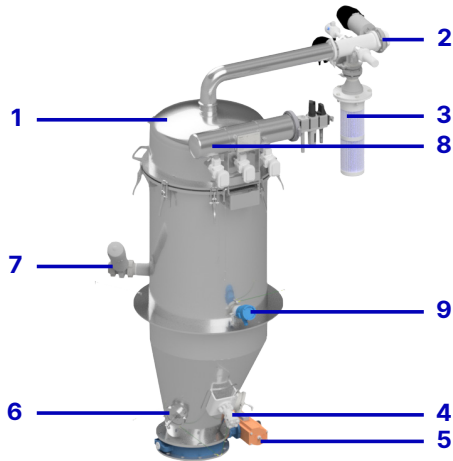
Features

- Proven developed design
- 900 & 700 model
- Very minimal residual product retention
- C/W with actuators, sensors and instruments for fully automatic operation
- Material of construction configurable to suit industry requirements
- GMP & ergonomical design
- Sanitary design (configurable)
- Low maintenance
- Easy access for cleaning

Options

- ATEX / IECEx / UKEX / CSA

Operating principles and constructional features

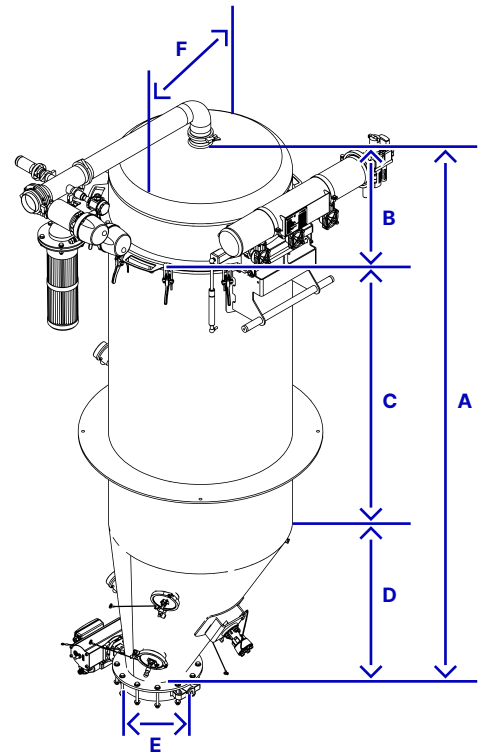


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|-----------------------------|------------------------------|
| 1 Filter section | 6 Fluidising discharge aid |
| 2 Vacuum pump connection | 7 Product line inlet |
| 3 Equalization filter | 8 Filter clean air reservoir |
| 4 Pneumatic hammer | 9 Level sensing |
| 5 Discharge butterfly valve | |

Process data

Volume	0.5 m ³
Diameter	700 & 900
No. of filter socks	9
Filter size	Ø150 × 600 long (configurable)
Inlets	Size and No. selectable
Vacuum connection size	Selectable
Level sensors	High & low
Pressure sensor	
Fluidising	3 off solimars
Impactor	Optional
Discharge size	300 mm (11 in)
Rate	0.5 to 15 TPH
Filter cleaning	Reverse air pulse
Control voltage	24 VDC
Comp air press	6 - 7 barg
Comp air flow	Based on configuration
Weight	Based on configuration
Material construction	EN.1.4301 / AISI 304

Dimensions



A	B	C	D
3,347 mm (131")	449 mm (17")	1,869 mm (73")	1,030 mm (40")
E	F		
300 mm (11")	908 mm (35")		
	708mm (27")		

Standard scope of delivery

- Separator assembly
- 7 off filter elements
- 2 off level sensors
- 3 off solimar fluidisers c/w solenoid
- 1 off inlet butterfly valve 4 in
- 1 off discharge butterfly valve 300 mm

Optional additional equipment

- Additional inlets and butterfly valves
- Material EN 1.4404 / AISI 316L
- Longer filter socks
- Longer body
- ViwateQ® surface treatment

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