

Subject to modifications.

# GEA Separator 700

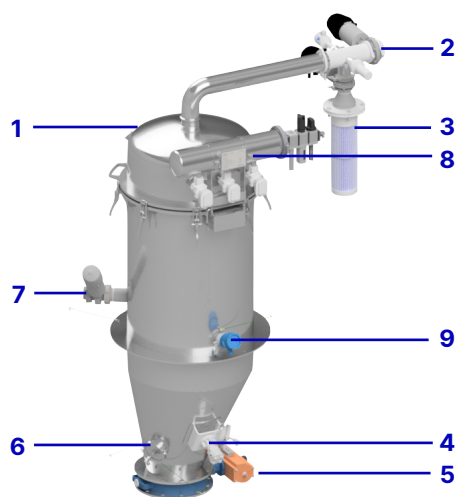
## Technical data

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
- 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
- ATEX / IECEx / UKEX / CSA

# Operating principles and constructional features



- 1

Filter section
- 2

Vacuum pump connection
- 3

Equalisation filter
- 4

Pneumatic hammer
- 5

Discharge butterfly valve
- 6

Fluidising discharge aid
- 7

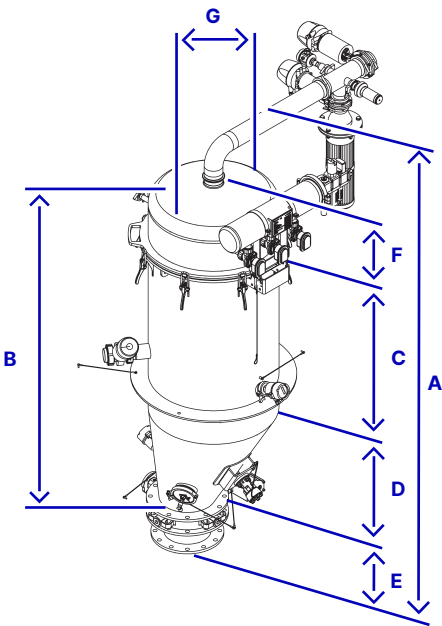
Product line inlet
- 8

Filter clean air reservoir
- 9

Level sensing

Process data	
Volume	0.35 m³
Diameter	700
No. of filter socks	7
Filter size	Ø150 × 600 long (configurable)
Inlets	Size and No. selectable
Vacuum connection size	Selectable
Level sensors	E&H high & low
Pressure sensor	E&H
Fluidising	3 off solimars
Impactor	Optional
Discharge size	300 mm (11 in)
Rate	0.5 to 12 TPH
Filter cleaning	Reverse air pulse
Control voltage	24 Vdc
Comp air press	6 - 7 barg
Comp air flow	Based on configuration
Material of construction	SS304
Weight	Base on configuration

## Dimensions



A	B	C	D
2,683 mm (105")	2,206 mm (86")	1,127 mm (44")	693 mm (27")
E	F	G	
244 mm (9")	371 mm (14")	700 mm (27")	

## Standard scope of delivery

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

### 1 off pressure sensor:

- E&H

## Optional additional equipment

- Additional inlets and butterfly valves
- SS316 construction
- Longer filter socks
- Longer body

## GEA Process Engineering A/S

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