

Dual-bag cleaning technology for very high capacity air filtration giving you the benefit of long bag life, energy savings and more full load up-time hours.

The SimPulse 3CS represents the next generation of baghouse pulse-jet filters. It uses a unique and leading servo motor driven bag pulsing technology based on high pulse energy; high pulse volume, low pulse pressure.

Benefits

Efficiency

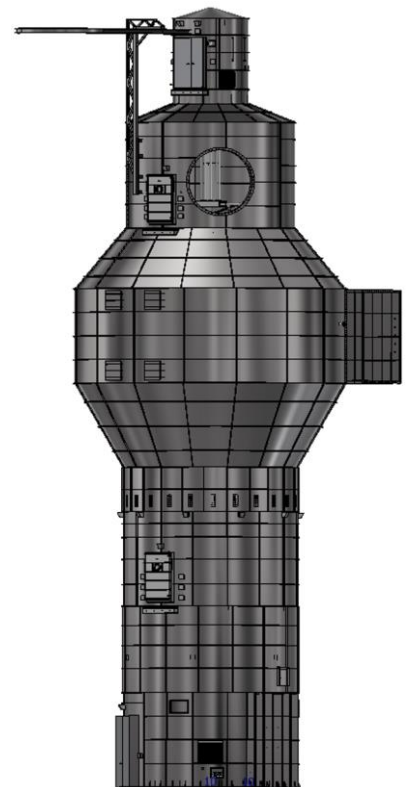
- The high energy and low pressure combination gives uniform cleaning with primary and secondary cleaning for efficient sub-micron filtration.
- Minimum temperature gradients in the filter chamber mean a reduced risk of corrosion. This means a longer life time for your filter.
- Low A/C ratio giving low pressure drop over the bag filter and longer bag life
- 100% down-flow filtration (essential for sub-micron bag-cleaning).

Savings

- Intelligent Cleaning Pulse system automatically adjusts the cleaning pressure and the cleaning-pulse energy.
- In critical conditions intensification of the cleaning energy for shorter or longer periods automatically occurs.
- No need for high-pressure compressor means low energy consumption. Savings on investment and cleaning cost
- More full load up-time hours.
- Minimum maintenance time.

Flexibility

- 3CS bag filter clusters of up to 4 bag filter units.
- On-line cleaning
- The dual-bag cleaning technology means long cleaning intervals.
- See **Options**



Features

- Capacity: up to 3,1 mio Am³/h in a 4 bag filter unit cluster
- PLC-controlled Servo Driven Pulse Position (PPU) and Pulse Valve (SPV)
- Cleaning pressure: 0.6-1.2 bar (14 to 30 psig)
- Up to 250° C continuous operation
- Limited and small foot print
- High vacuum resistance
- Walk-In Plenum

Options

- Penthouse
- Lobby
- Insulation and cladding for outdoor installation
- Flat Scraper bottom
- Dual bag leak detection
- Integrated dynamic pre-separator and wear protection of filter-bags
- Claw compressor for cleaning air supply
- Up to 16 metres filter bags

Applications

Waste and Energy, Biomass, Minerals and Metals, Fertilizer, Cement, Recycling, Large Scale Aspiration Plants

Construction forms

Inlet: 04 12,
Flat Scraper Bottom: 05