



**scheuch**  
TECHNOLOGY FOR CLEAN AIR

# SCHEUCH POWDER FILTER

POWDER RECOVERY TECHNOLOGY

## LATEST GENERATION OF POWDER FILTER TECHNOLOGY

Headquartered in Austria, Scheuch GmbH specialises in filtration technology and has vast experience gained from several thousand filter installations. These are used and installed in an extremely wide range of industries around the world. Scheuch has put its expertise and the findings of countless research projects to use in bringing a range of product innovations and patents to the market. One of the latest innovations in the industrial dedusting technology sector can be found in the field of powder recovery.

### OFFERED BY SCHEUCH AS STANDARD

- Crude gas temperature max. 60°C at ambient temperature 40°C
- Residual dust content < 1 mg (TA air limit value < 5 mg)
- 2014/34/EU ATEX conformity
- Filter (crude gas area zone 21 / clean gas area zone 22)
- Fan suitable for zone 22
- ATEX conformity declaration only in connection with residual dust monitoring system
- Pressure tank according to directive AD2000 regulations (references 97/23/EC)
- Basic+ control unit (incl. differential pressure measurement)
- Sound insulation (blow-off sound LpA < 85 dB(A) at a distance of 1 m)
- Filter cartridges 100% conductivity, resistance value < 10 kOhm
- Cyclone with inlay filter (mesh size 400 µm)
- High-performance cyclone ( $\geq 97\%$  recovery rate)



### PERFORMANCE SPECTRUM

- Volumetric flow: 5,500 m<sup>3</sup>/h to 32,000 m<sup>3</sup>/h
- Filter nominal diameters: 1,400 mm to 2,400 mm
- Overall height with Big Bag: 5.5 m to 7.4 m
- Overall height with dust carriage: 4.6 m to 6.6 m
- Cyclone nominal diameter: 710 mm to 2,240 mm
- Overall height, cyclone: 4.2 m to 6.2 m
- Special solutions

### ✓ BENEFITS:

#### High performance

- Through optimised crude gas flow and integrated dust pre-separation
- Through pulse cleaning – a new development by Scheuch specifically for filter cartridges
- Through steady incoming flow and flow through the filter cartridges

#### Simple assembly

- High degree of pre-assembly
- Plug-and-play design for rapid commissioning

#### Compact design

- Flexible installation options thanks to round design
- Ideal for installation in tight spaces

#### Highly cost-efficient

- Through low differential pressure
- Through minimum clean gas content
- Resulting in minimum running costs compared to conventional cartridge filters available on the market