



**scheuch**  
TECHNOLOGY FOR CLEAN AIR

# SCHEUCH SCALON<sup>COMP</sup>

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TAILOR-MADE FILTRATION  
TECHNOLOGY

# ONE SCHEUCH FILTER A THOUSAND POSSIBILITIES

## COMPACT, EFFICIENT, RELIABLE.

As individual as your requirements: The Scheuch Scalon<sup>comp</sup> can be used in almost all industries for dust extraction and promises the highest level of modularity. With variable layouts and construction heights, we offer flexible planning possibilities adapted to the prevailing local conditions. The compact design is ideal for narrow spaces thanks to its limited base area and installation height, and has been specially designed for low flow rates. Designs as bin vent filters and filters with a hopper or trough including an integrated dust discharge screw are available.

A decisive element is the PulseMaster2.0<sup>core</sup> control unit that is manufactured inhouse by Scheuch and that guarantees that your filter plant will operate in the most efficient manner. In conjunction with the powerful impulse cleaning system, this minimises energy and operating material consumption and therefore reduces the carbon footprint in your production facility.

We'll support you over the entire life cycle of your filter: Starting with the filter technology and the control unit to spare parts management. You always receive a complete package that is adapted to your requirements from Scheuch.

- 1

Filters with variable casing heights and footprints
- 2

impulse cleaning system
- 3

Filter elements
- 4

PulseMaster2.0<sup>core</sup> control unit
- 5

Dust collection hopper or trough with discharge system
- 6

Crude gas inlet with baffle plate
- 7

Damper
- 8

Radial fan
- 9

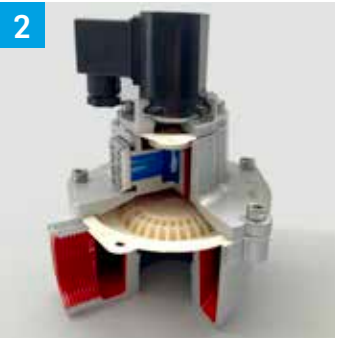
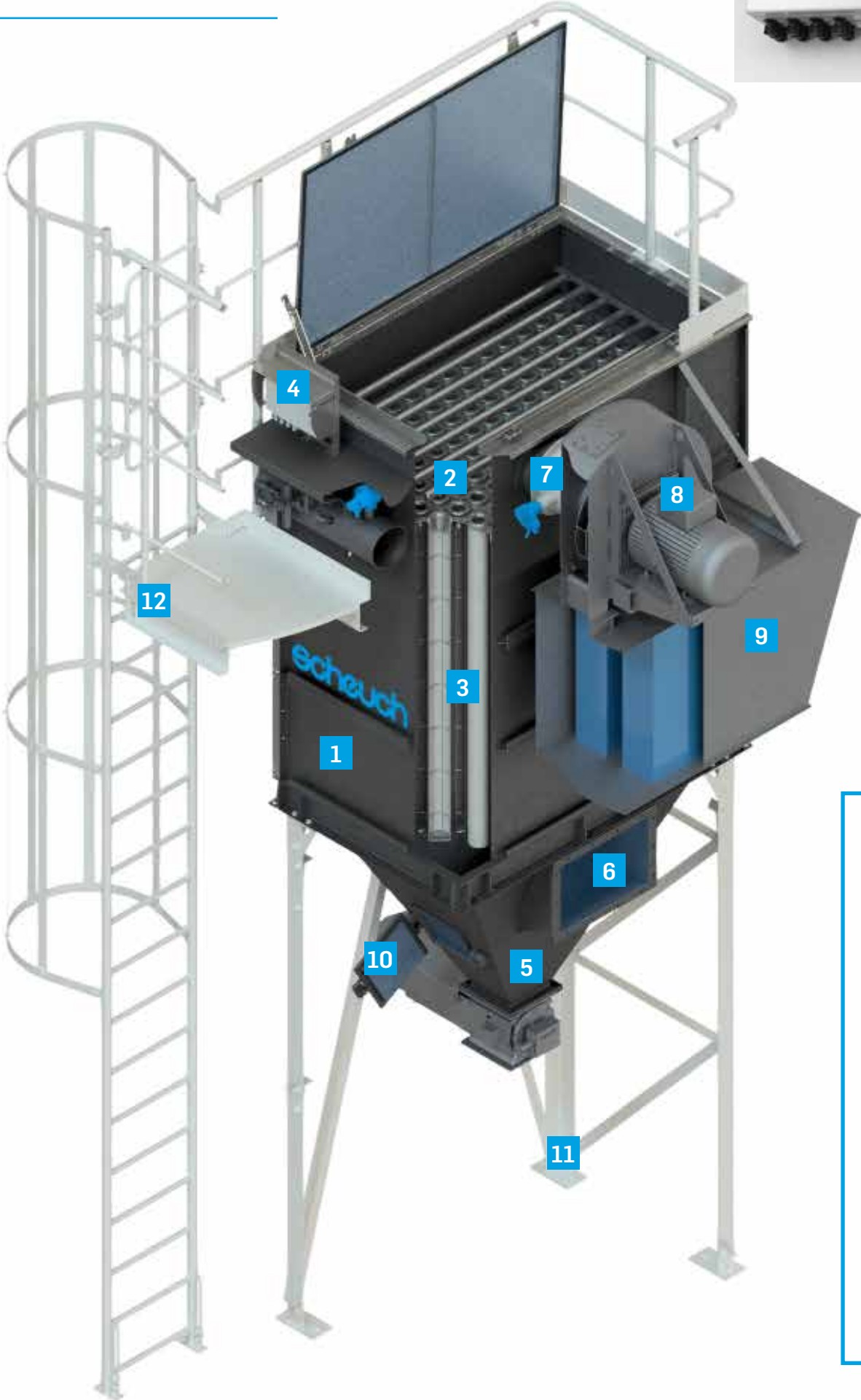
Baffle silencer
- 10

Inspection opening
- 11

Supporting structure
- 12

Inspection facilities

Type	Footprint [mm x mm]	Filter area [m²] at bag length		
		1200 [mm]	1800 [mm]	2400 [mm]
fc1-r10b-v_004/005-0__-0a	780 x 780	7,6	11,4	-
fc1-r10b-v_006/006-0__-0a	1000 x 1000	13,6	20,5	-
fc1-r10b-v_008/008-0__-0a	1220 x 1220	24,5	36,5	48,5
fc1-r10b-v_008/014-0__-0a	1860 x 1220	42,5	64	85
fc1-r10b-v_008/018-0__-0a	2340 x 1220	55	82	109
fc1-r10b-v_010/012-0__-0a	1625 x 1625	45,5	68	91
fc1-r10b-v_016/014-0__-0a	1860 x 2340	85	127	169
fc1-r10b-v_016/018-0__-0a	2340 x 2340	109	163	218
fc1-r10b-v_024/014-0__-0a	1860 x 3460	127	191	254
fc1-r10b-v_024/018-0__-0a	2340 x 3460	163	245	326



### PulseMaster2.0<sup>core</sup> SMART FILTER MANAGEMENT

- Best performance and comprehensive monitoring for your filter
- Highly energy efficient mode of operation thanks to predefined settings for the cleaning logic
- Fast, uncomplicated commissioning thanks to Plug&Play features
- Field bus enabled for integration into higher level system control units
- Remote maintenance possible to enable the quickest reaction times for fast support

### EFFICIENT impulse CLEANING SYSTEM

2-stage diaphragm valves and jet pipes with optimised nozzle cross section ensure that all filter bags are cleaned gently and evenly, as well as long service lives.

### SCHEUCH SCALON<sup>COMP</sup> BENEFITS AT A GLANCE

- **Flexible planning options** and adaptation to local conditions
- **Compact design:** ideal for low flow rates and narrow spaces
- **Reduced energy and operating material consumption** thanks to optimised crude gas flow guidance and an efficient impulse cleaning system with smart filter management
- **Highly reliable** by preventing dust deposits and product mixtures in batch operation thanks to the smooth surface in the crude gas chamber
- **Individual degree of pre-assembly** enables the transport volume to be reduced or enables fast assembly on-site to prevent extended downtimes when production is running
- **Very low maintenance** thanks to sufficient inspection openings and simple bag changes on the clean gas side, as well as operability of the control unit on the filter
- **Short delivery times** thanks to permanent stock of the filter components and fast availability of spare parts
- **Unit available as a complete solution** with integrated fan and baffle silencer
- Optionally available as an **ATEX** and **low temperature version**



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