

Filter receiver AAS R6

Dust extraction filter with tangential separation. Reliable product separation for higher dust and fiber content. A tangential pre-separator achieves high separation efficiency when larger product quantities or fibrous components need to be separated from the conveying air. Design, filter medium, and size are precisely tailored to the application, pressure, and local conditions. Optionally available with systems for explosion protection, product discharge, final filtration, and noise emission reduction. Specially adaptable for the filtration of highly explosive substances, hygiene applications, and air recirculation into indoor spaces.

Features:

- Pressure-resistant up to -900 mbar
- Pressure shock resistant up to +1 bar
- For air volumes from 300 – 5,000 m³/h
- Higher filter performance due to tangential pre-separator
- Quick-release fasteners for opening the chamber
- Special 'Extra' and 'Hygiene' versions for food and pharmaceutical industries
- Optional with swiveling slotted plate and tool-free filter change
- Pneumatic cleaning with full-immersion system
- Optional with integrated final filter

Options:

- Dust bin or product discharge
- Silencer
- Maintenance opening
- Integrated final filter
- Fill level sensor
- Throttle valve
- Shut-off valve
- Extinguishing system
- Differential pressure measurement
- Pressure relief systems (flameless or bursting disc)
- Non-return valve
- Design for installation in ATEX Zone 21 or 22

Materials:

- Mild steel
- Product-contacting parts 1.4301 (V2A) or 1.4404 (V4A)
- Completely 1.4301 (V2A) or 1.4404 (V4A)
- Pressure tank made of mild steel, aluminum, or stainless steel



Design guidelines

Calculation of the required filter area:	for polyester needle felt, standard:	AFilter: [m ²] = Air volume [m ³ /h]/90
	for polyester needle felt with PTFE:	AFilter: [m ²] = Air volume [m ³ /h]/60

Use of filter media	Clean gas content	Particle size	Dust quantity
for polyester needle felt, standard:	'	> 0.5 µm	'
for polyester needle felt with PTFE:	'	> 0.1 µm	'
with final filter H13 / H14	'	> 0.1 µm	m ³

Filter bag length 1250

Diameter	D800	D900	D1000	D1120	D1250	D1400	D1600	D2000
Filter area (bag)	5	6.3	8.8	12.5	15	22.5	30	37.5
Filter area (Micropore)	11	14	19,6	28	33,6	50	67	84

Filter bag length 1600

Diameter	D800	D900	D1000	D1120	D1250	D1400	D1600	D2000
Filter area (bag)	6,4	8	11,2	16	19,2	28,8	38,4	48

Technical data

Compressed air	Connection < 6 bar	Consumption 0.02 – 0.2 m ³ /h/m ²
Control with or without delta p cleaning	Voltage:	Frequency:
	230 V	AC
	110 V	AC
	24 V	DC/AC