Microfilter, Series AS3-FLC

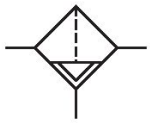
R412007070

Series AS3

The AVENTICS Series AS3 is a modular, versatile maintenance unit for universal application. This Series offers compact dimensions, is highly efficient, lightweight and easy-to-use. The AVENTICS Series AS guarantees reliability, safety, and efficiency with a simplified assembly and maintenance efforts.

- Low weight





Technical data

Industry	Industrial
Note	Archive product: Do not use in new constructions!
Parts	Microfilter
Reservoir	reservoir, metal, with inspection glass
Port	G 1/2
Nominal flow Qn	700 l/min
Condensate drain	fully automatic, open without pressure
Min. working pressure	1.5 bar
Max. working pressure	16 bar
Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Medium	Compressed air Neutral gases
Max. achievable compressed air class acc. to ISO 8573-1:2010	1 : - : 2
Filter reservoir volume	49 cm³
Filter element	exchangeable
Recommended pre-filtering	0.3 µm
Weight	0.736 kg

contamination display	integrated
inspection glass	with window
Mounting orientation	vertical
Type	Can be assembled into blocks

Material

Housing material	Polyamide
Material front plate	Acrylonitrile butadiene styrene
Seal material	Acrylonitrile butadiene rubber
Material threaded bushing	Die cast zinc
Material reservoir	Die cast zinc
Material filter insert	Borosilicate glass fiber
Part No.	R412007070

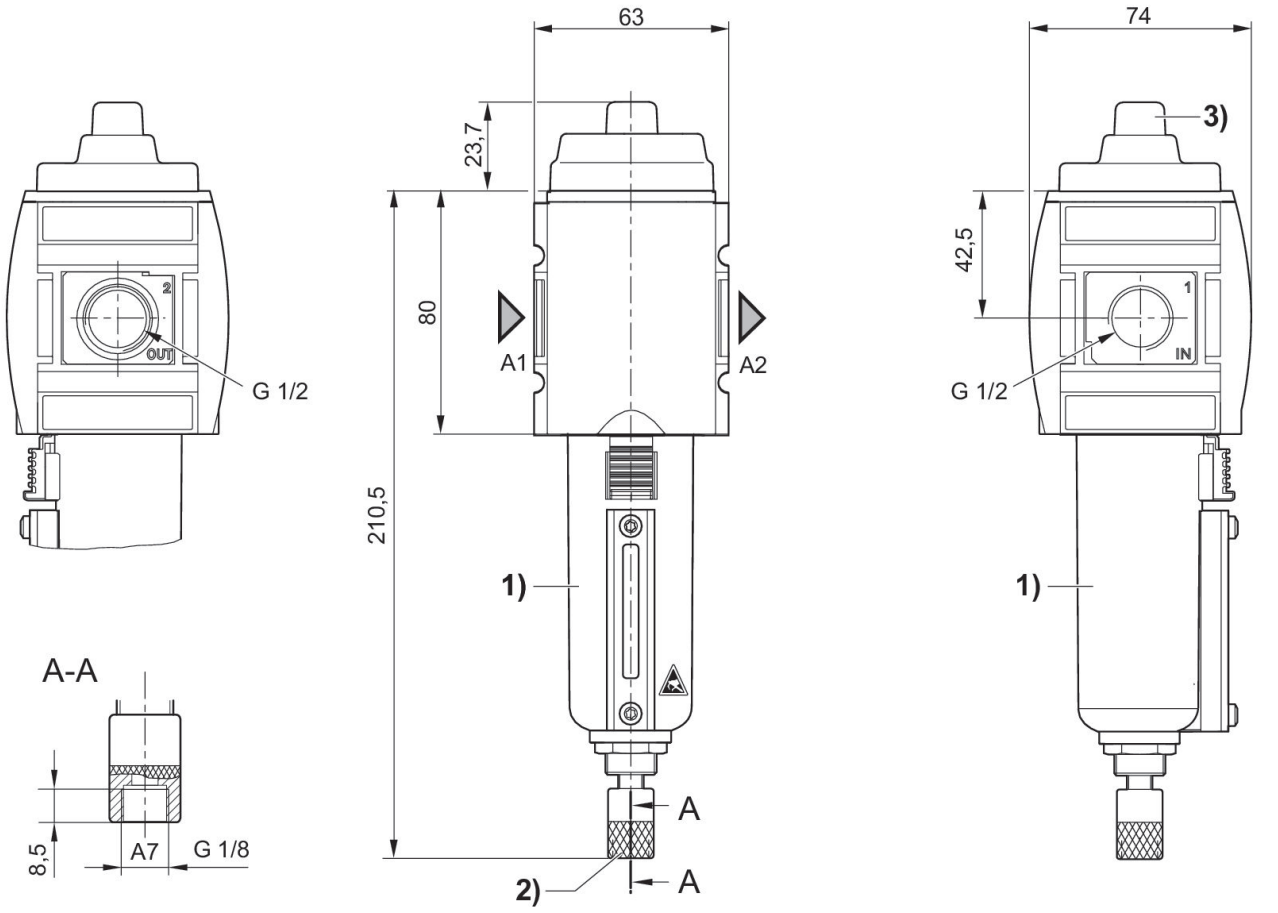
Technical information

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0,1 bar

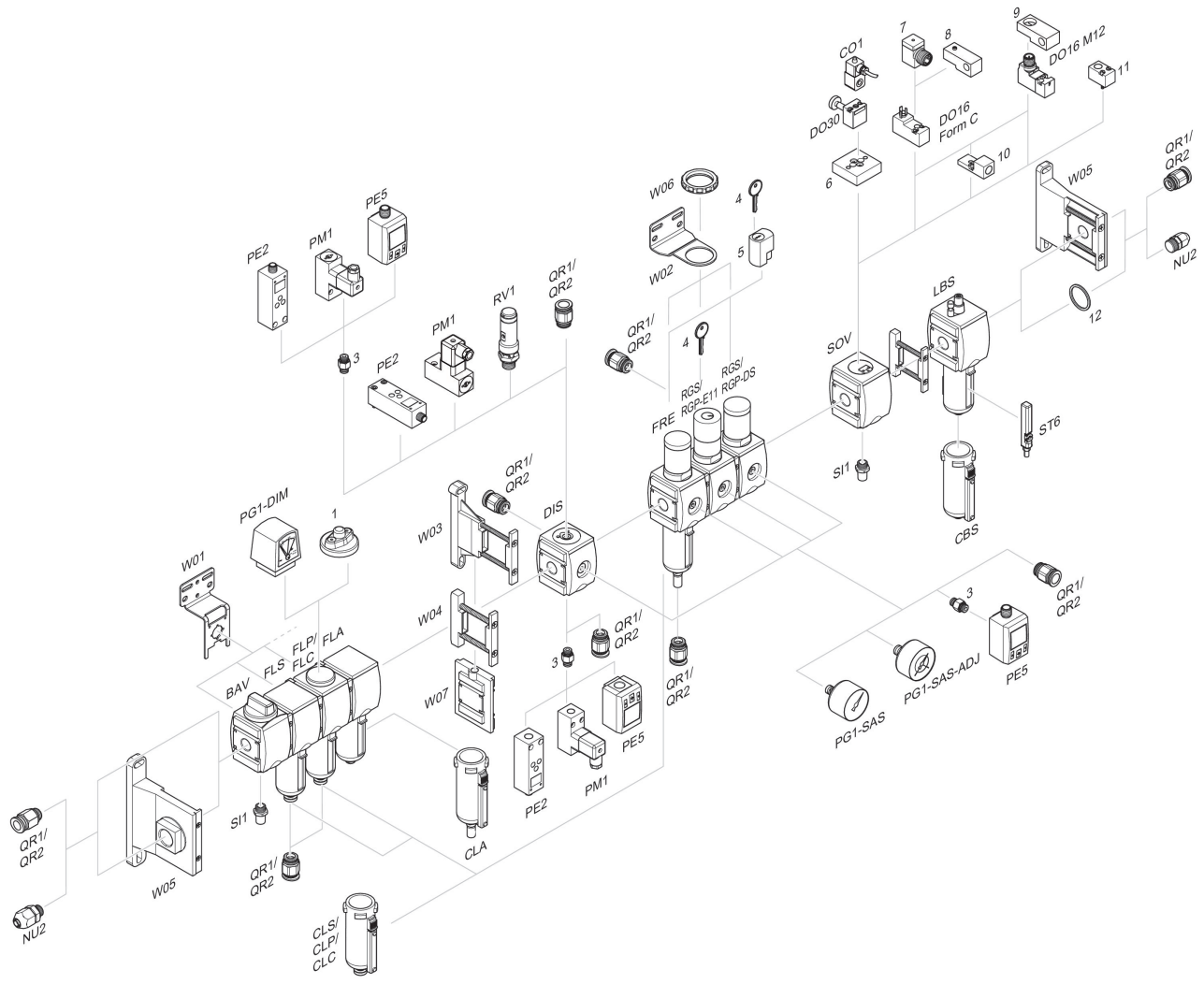
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

Dimensions in mm



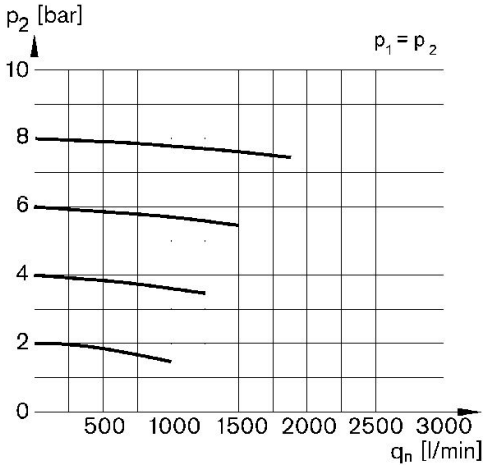
A1 = input
A2 = output
A7 = condensate drain
1) Metal reservoir with level indicator
2) Fully automatic condensate drain
3) contamination display

Accessories overview



1 = contamination display 3 = Double nipple 4 = Key for E11 locking 5 = mortise lock 6 = Transition plate DO30 7 = Adapter, Series CON-VP 8 = Mounting aid DO16, form C 9 = Mounting aid DO16, M12 10 = Adapter for external pilot air 11 = Adapter pneumatic operation 12 = Sealing ring

Flow rate characteristic, p2 = 0,05 - 7 bar



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow