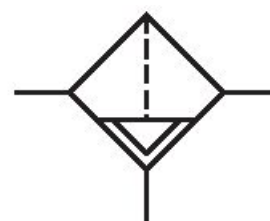


Pre-filter, Series AS3-FLP

R412007027

General series information 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.



Technical data

Industry
Industrial

Type
Pre-filter

Parts
Pre-filter

Reservoir
reservoir, polycarbonate, with PA protective guard

Port
G 1/2

Nominal flow Qn
900 l/min

Condensate drain
semi-automatic, open without pressure

Working pressure min.
1.5 bar

Working pressure max
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
2 : - : 3

Filter reservoir volume
49 cm³

Filter element
exchangeable

Recommended pre-filtering
5 µm
Weight
0.361 kg

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
Polycarbonate

Material protective guard
Polyamide

Material filter insert
Impregnated paper

Part No.
R412007027

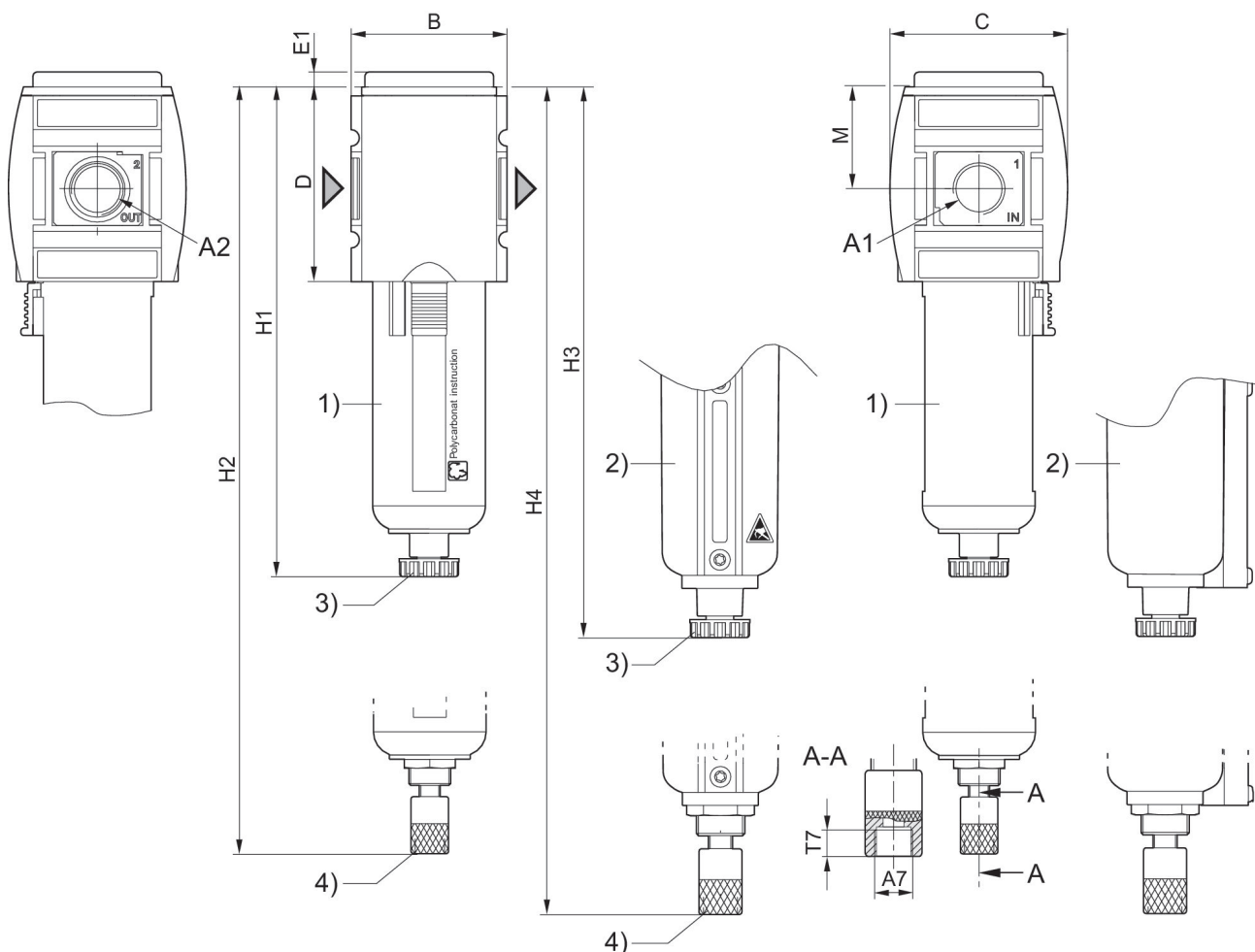
Technical information

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

Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

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



A1 = input A2 = output

A7 = condensate drain

1) Plastic reservoir and protective guard with window

2) Metal reservoir with inspection glass

3) Semi-automatic condensate drain

4) Fully automatic condensate drain

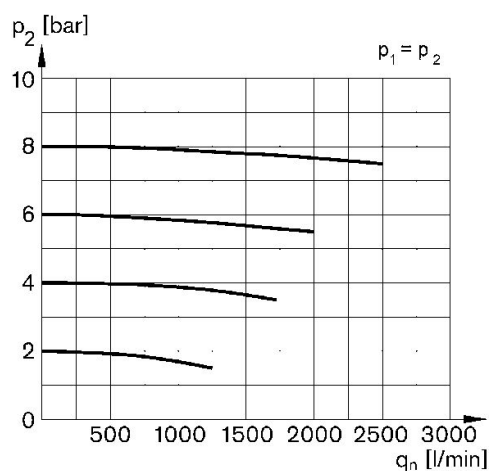
Dimensions in mm

Part No.	A1	A2	A7	B	C	D	E1	H1	H2
R412007018	G 3/8	G 3/8	G 1/8	63	74	80	5	189.5	206
R412007019	G 3/8	G 3/8	G 1/8	63	74	80	5	189.5	206
R412007020	G 3/8	G 3/8	G 1/8	63	74	80	5	189.5	206
R412007024	G 3/8	G 3/8	G 1/8	63	74	80	5	189.5	206
R412007025	G 3/8	G 3/8	G 1/8	63	74	80	5	189.5	206
R412007026	G 3/8	G 3/8	G 1/8	63	74	80	5	189.5	206
R412007027	G 1/2	G 1/2	G 1/8	63	74	80	5	189.5	206
R412007028	G 1/2	G 1/2	G 1/8	63	74	80	5	189.5	206
R412007029	G 1/2	G 1/2	G 1/8	63	74	80	5	189.5	206
R412007033	G 1/2	G 1/2	G 1/8	63	74	80	5	189.5	206

Part No.	A1	A2	A7	B	C	D	E1	H1	H2
R412007034	G 1/2	G 1/2	G 1/8	63	74	80	5	189.5	206
R412007035	G 1/2	G 1/2	G 1/8	63	74	80	5	189.5	206

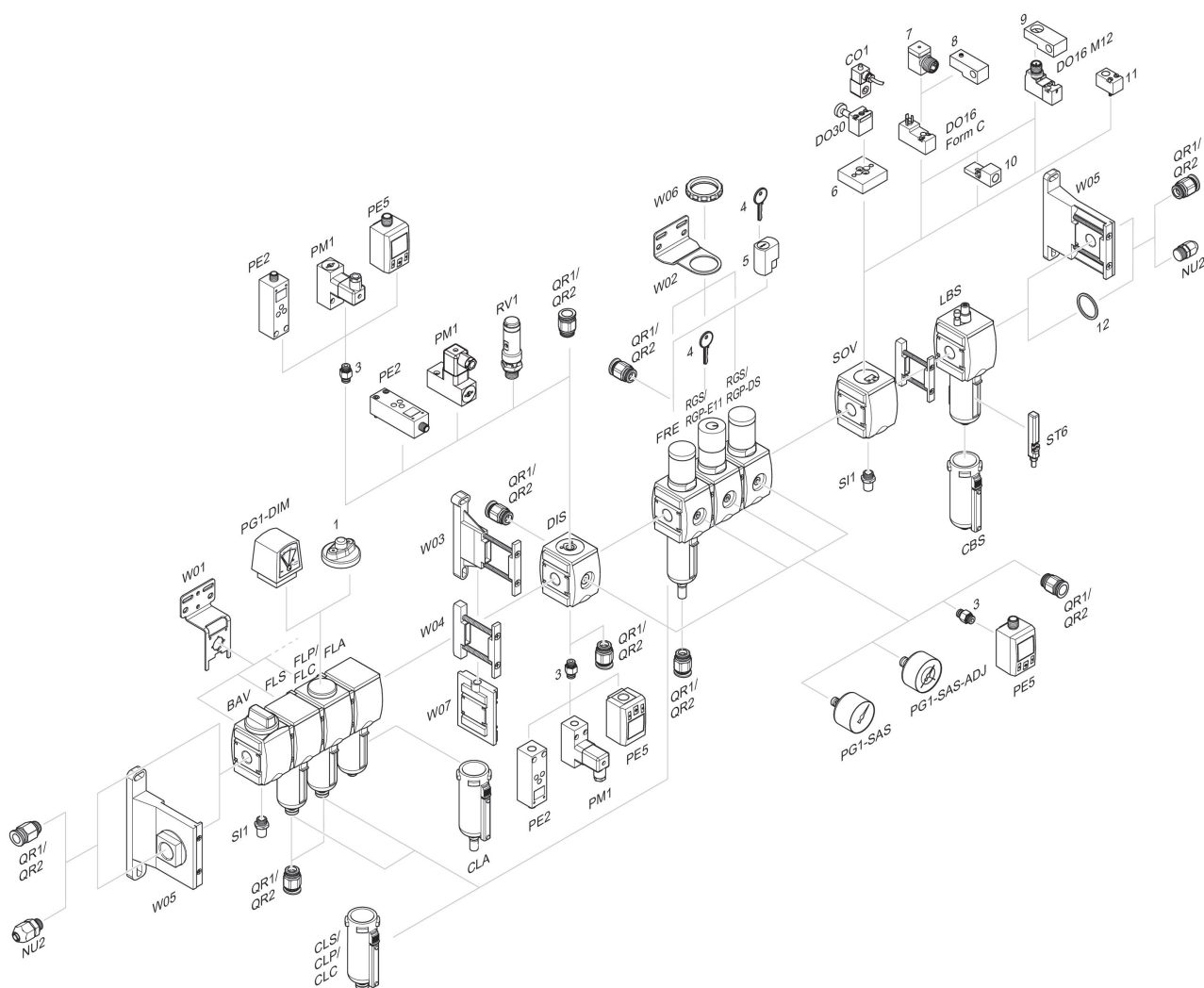
Part No.	H3	H4	M
R412007018	193.5	210.5	42.5
R412007019	193.5	210.5	42.5
R412007020	193.5	210.5	42.5
R412007024	193.5	210.5	42.5
R412007025	193.5	210.5	42.5
R412007026	193.5	210.5	42.5
R412007027	193.5	210.5	42.5
R412007028	193.5	210.5	42.5
R412007029	193.5	210.5	42.5
R412007033	193.5	210.5	42.5
R412007034	193.5	210.5	42.5
R412007035	193.5	210.5	42.5

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



p_1 = Working pressure p_2 = Secondary pressure q_n = Nominal flow

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