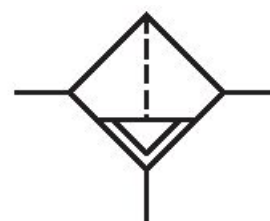


Filter, Series AS2-FLS

R412006016

General series information Series AS2

- The AVENTICS Series AS2 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
Standard filter

Parts
Filter

Reservoir
reservoir, metal, with inspection glass

Port
G 3/8

Filter porosity
5 μm

Nominal flow Qn
2100 l/min

Condensate drain
fully 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**
6 : 7 : -

Filter reservoir volume
28 cm³

Filter element
exchangeable
Weight
0.52 kg
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
Polyethylene
Part No.
R412006016

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".

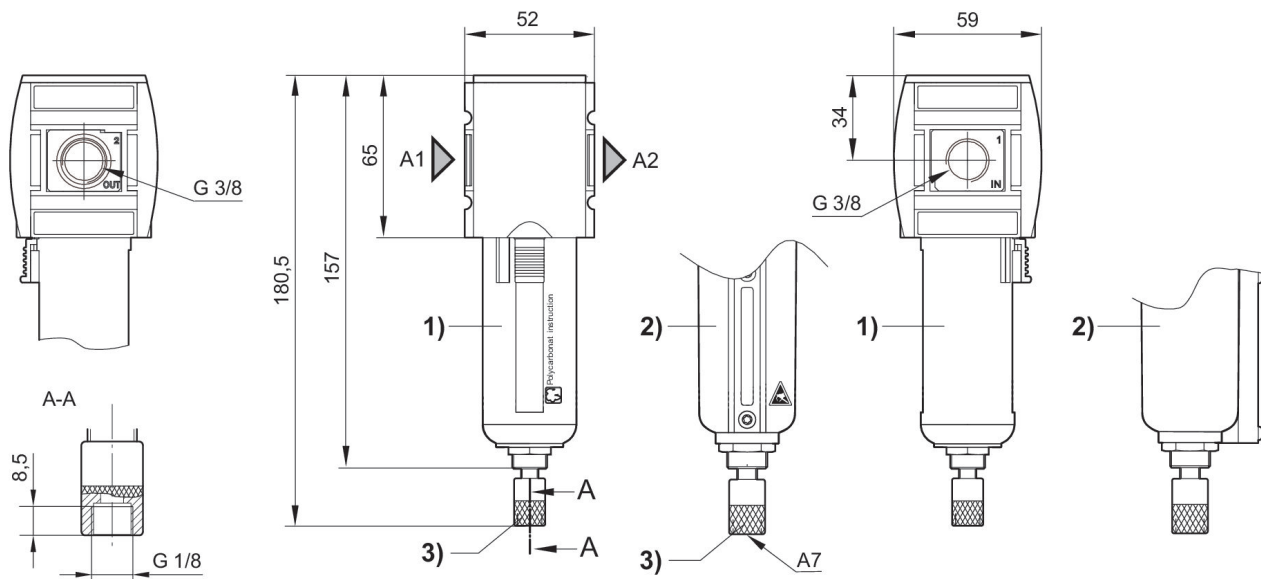
Nominal flow Q_n with secondary pressure $p_2 = 6$ bar at $\Delta p = 1$ bar

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.

Also suitable for separation of fluid oil or water due to the design.

Dimensions in mm

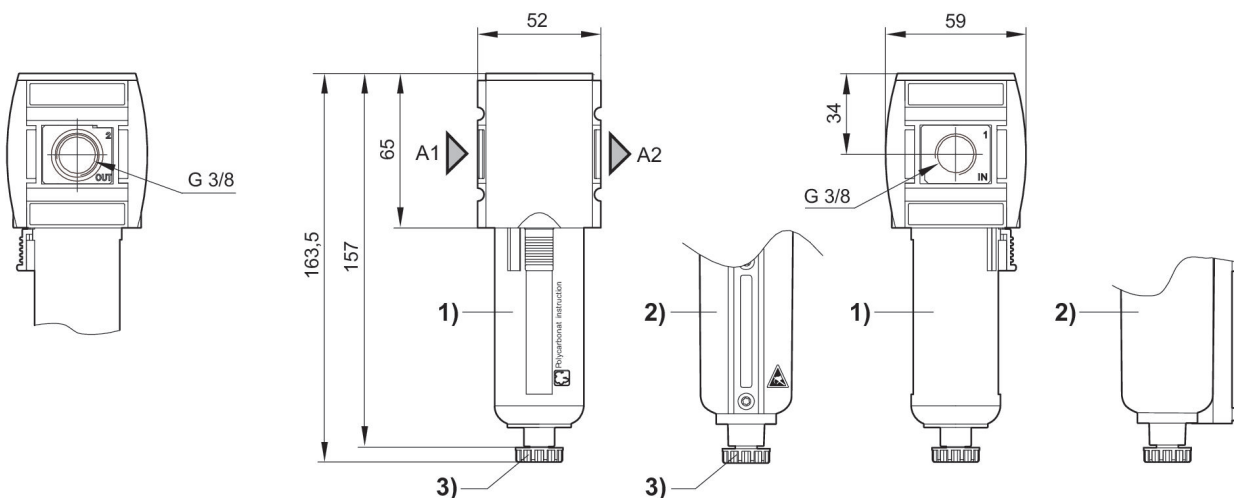
Fig. 5



- A1 = input A2 = output
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Fully automatic condensate drain

Dimensions in mm

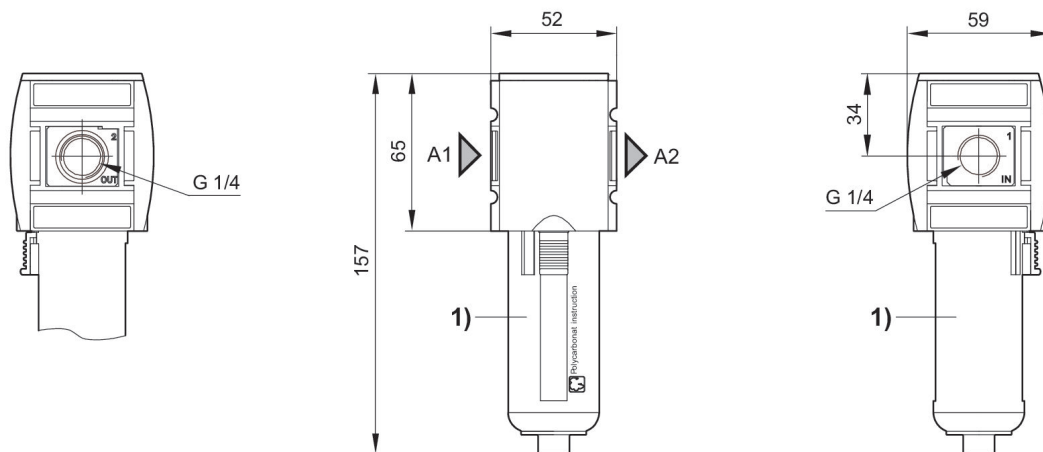
Fig. 4



- A1 = input A2 = output
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Semi-automatic condensate drain

Dimensions in mm

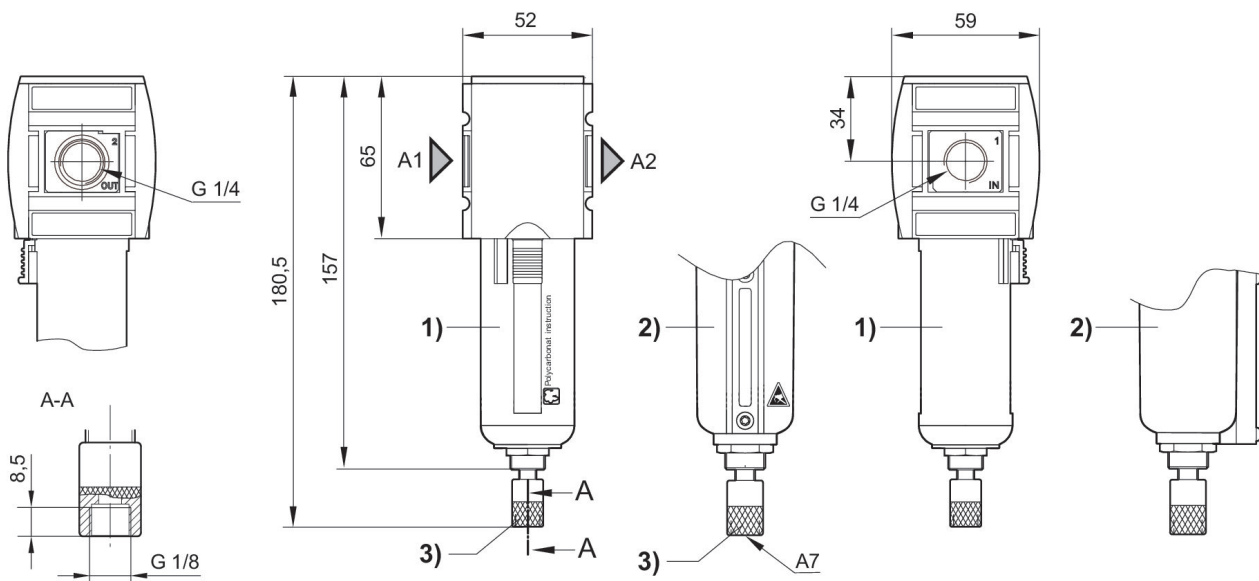
Fig. 3



A1 = input A2 = output
1) Plastic reservoir and protective guard with window

Dimensions in mm

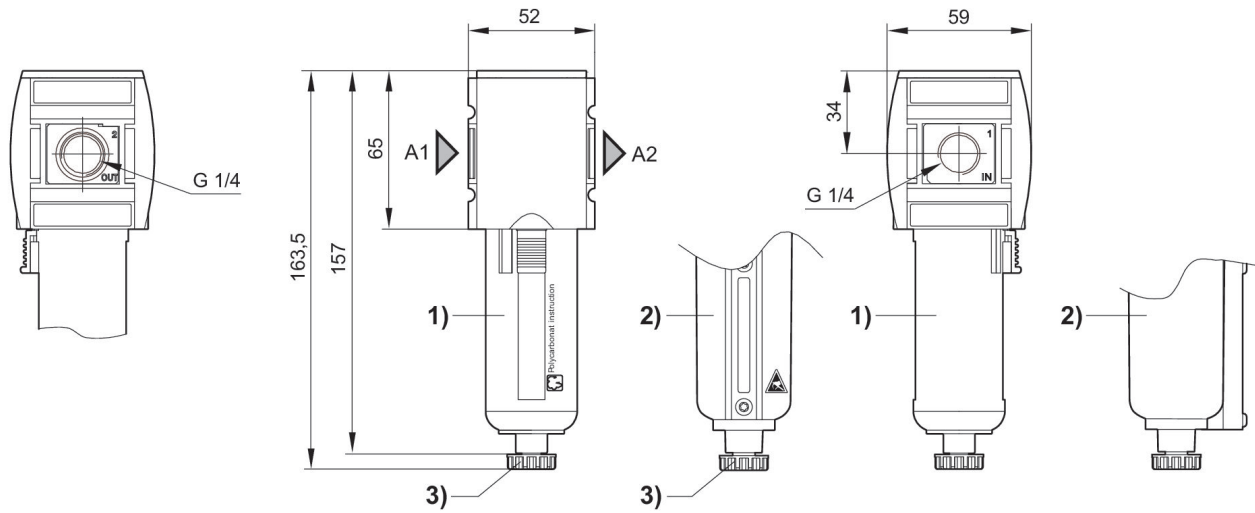
Fig. 2



A1 = input A2 = output
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Fully automatic condensate drain

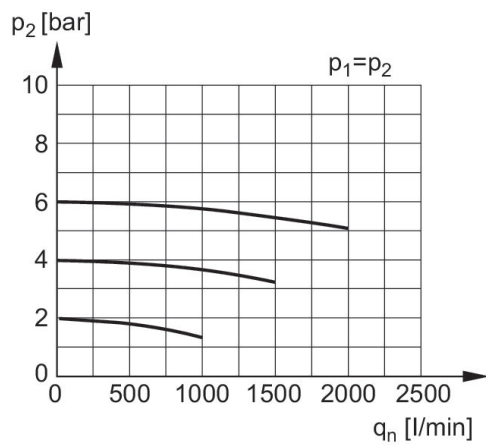
Dimensions in mm

Fig. 1



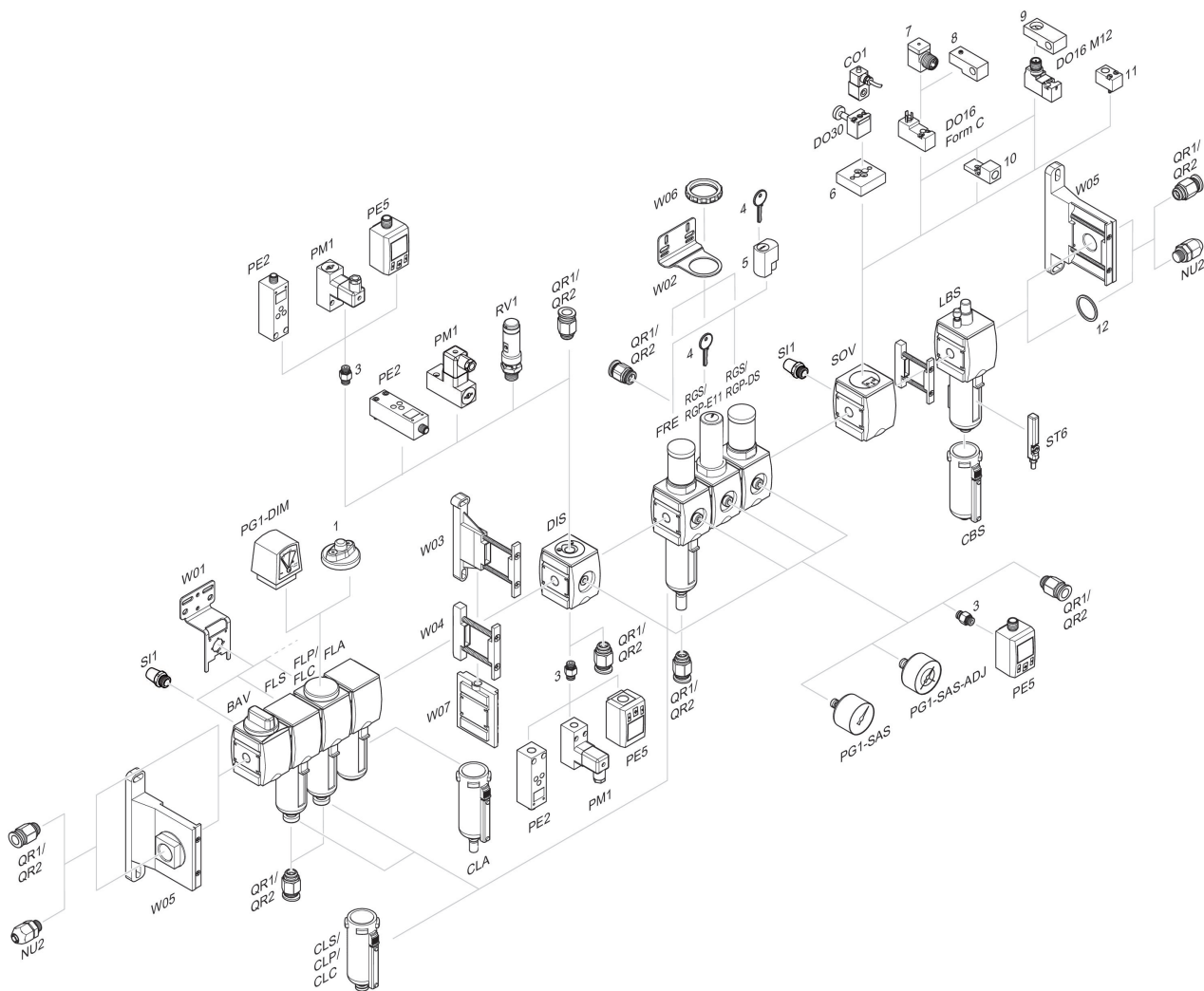
- A1 = input A2 = output
 1) Plastic reservoir and protective guard with window
 2) Metal reservoir with level indicator
 3) Semi-automatic condensate drain

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