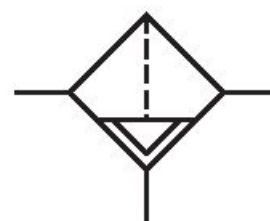


# Microfilter, Series AS2-FLC

## R412006054

### 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  
Microfilter

Parts  
Microfilter

Port  
G 1/4

Filter porosity  
0.01  $\mu\text{m}$

Nominal flow Qn  
350 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

Certificates  
suitable for ATEX

ATEX  
suitable for ATEX

Max. achievable compressed air class acc. to  
ISO 8573-1:2010  
1 : - : 2

Filter reservoir volume  
12 cm<sup>3</sup>

Filter element  
exchangeable

Recommended pre-filtering  
0.3 µm

Weight  
0.22 kg

contamination display  
integrated

Mounting orientation  
vertical

Type  
Can be assembled into blocks

Reservoir  
reservoir, polycarbonate, with PA protective guard

## 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  
Borosilicate glass fiber

Part No.  
R412006054

## Technical information

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

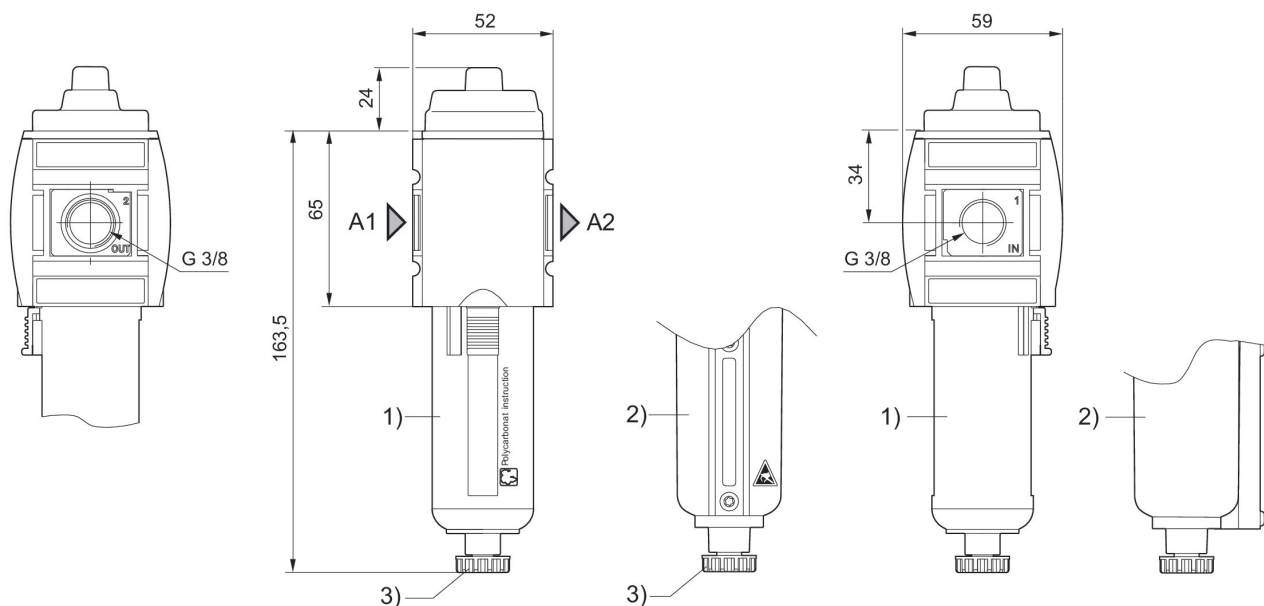
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

Suitable for use in Ex zones 1, 2, 21, 22.

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

Fig. 3



A1 = input A2 = output

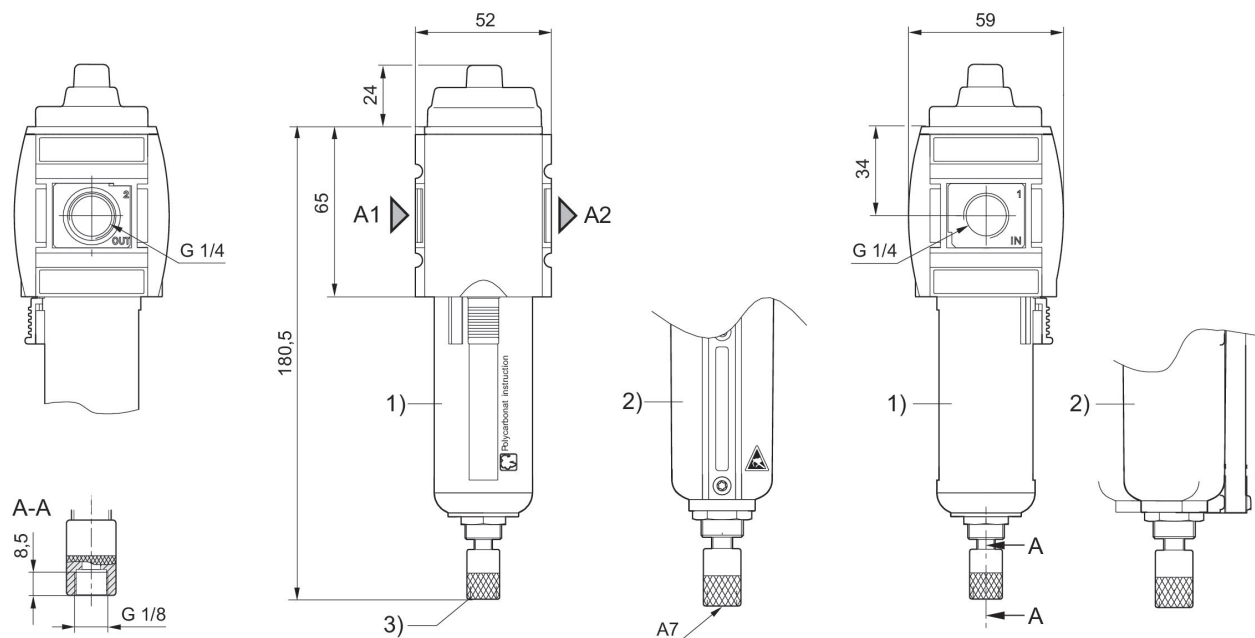
1) Plastic reservoir and protective guard with window

2) Metal reservoir with inspection glass

3) Semi-automatic condensate drain

## Dimensions in mm

Fig. 2



A1 = input A2 = output

A7 = condensate drain

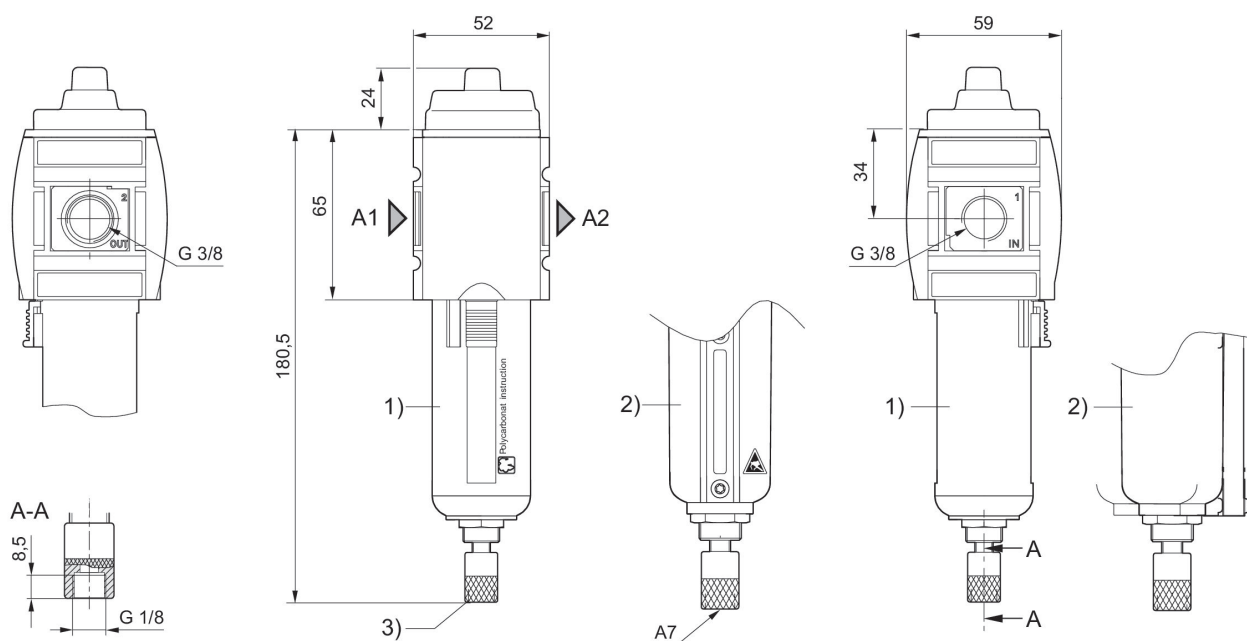
1) Plastic reservoir and protective guard with window

2) Metal reservoir with inspection glass

3) Fully automatic condensate drain

## Dimensions in mm

Fig. 4



A1 = input A2 = output

A7 = condensate drain

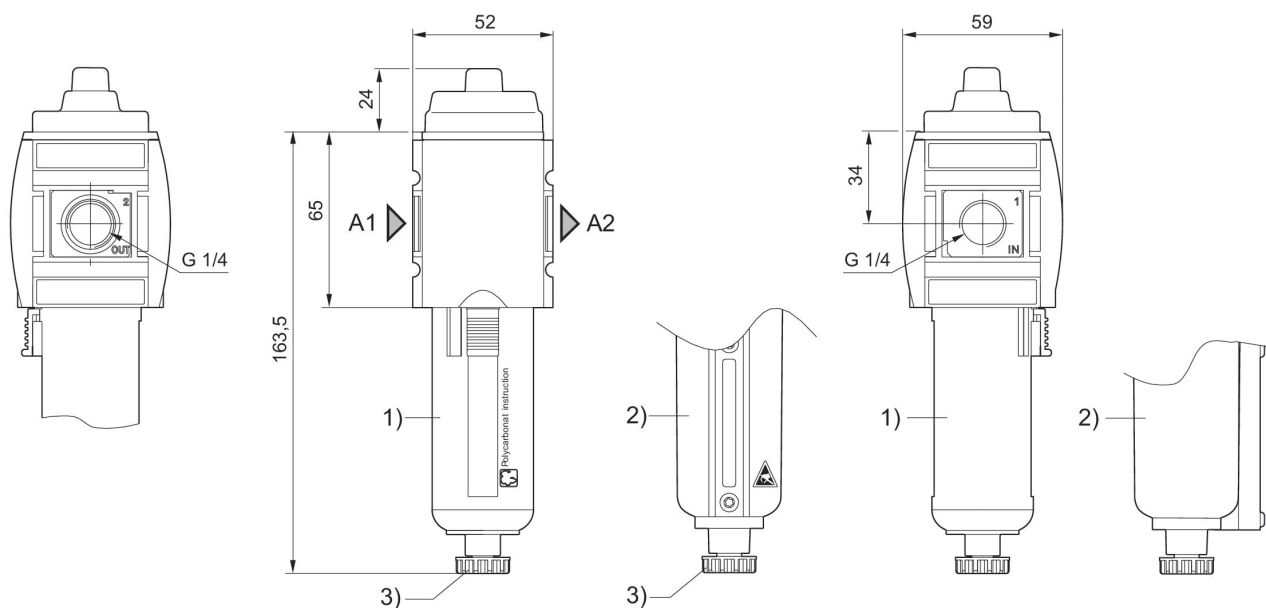
1) Plastic reservoir and protective guard with window

2) Metal reservoir with inspection glass

3) Fully automatic condensate drain

## Dimensions in mm

Fig. 1



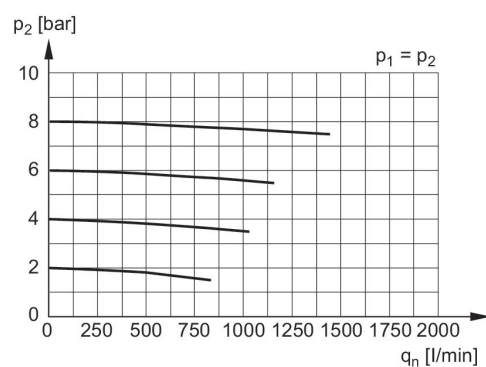
A1 = input A2 = output

1) Plastic reservoir and protective guard with window

2) Metal reservoir with inspection glass

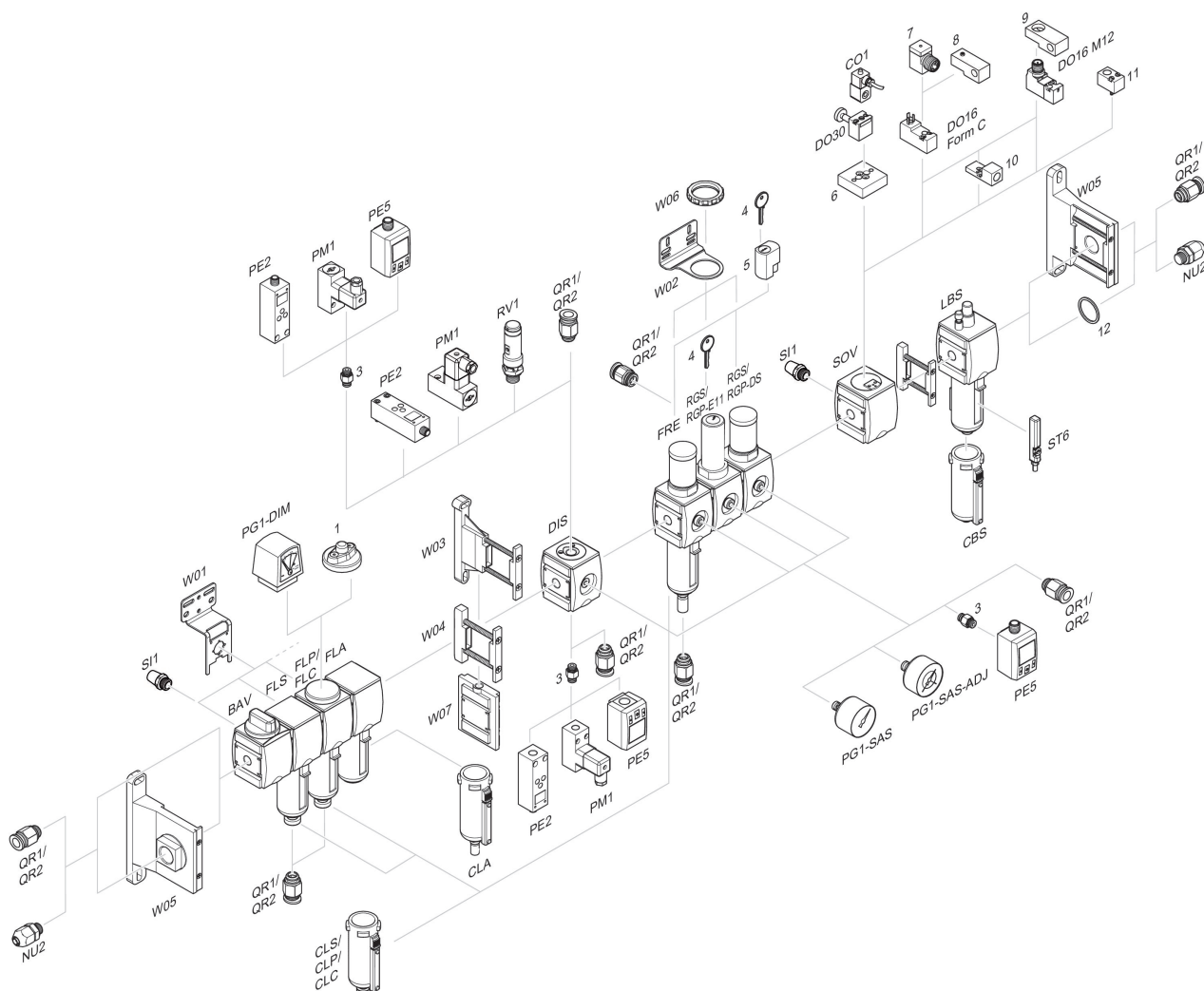
3) Semi-automatic condensate drain

## 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