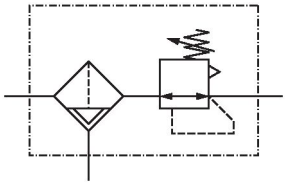
Filter pressure regulator, Series AS2-FRE

R412006236

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

Parts
Filter pressure regulator

Reservoir
reservoir, polycarbonate, with PA protective guard

Port
G 1/4

Nominal flow Qn
2100 l/min

Filter porosity
5 µm

Condensate drain
semi-automatic, open without pressure

Pressure gauge
without pressure gauge

Working pressure min.
1.5 bar

Working pressure max
16 bar

Min. ambient temperature
-10 °C

Max. ambient temperature
50 °C

Regulation range min.
0.5 bar

Regulation range max.
16 bar

Lock type
for padlocks

Type
1-part

Type
Can be assembled into blocks

Pressure supply
single

Mounting orientation
vertical

Regulator type
Diaphragm-type pressure regulator

Regulator function
with relieving air exhaust

Filter element
exchangeable

Filter reservoir volume
28 cm³

Max. achievable compressed air class acc. to ISO 8573-1:2010
6 : 7 : -

Medium
Compressed air
Neutral gases

Weight
0.304 kg

Material

Housing material
Polyamide

Seal material
Acrylonitrile butadiene rubber

Material front plate
Acrylonitrile butadiene styrene

Material threaded bushing
Die cast zinc

Material reservoir
Polycarbonate

Material protective guard
Polyamide

Material filter insert
Polyethylene

Part No.
R412006236

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 Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

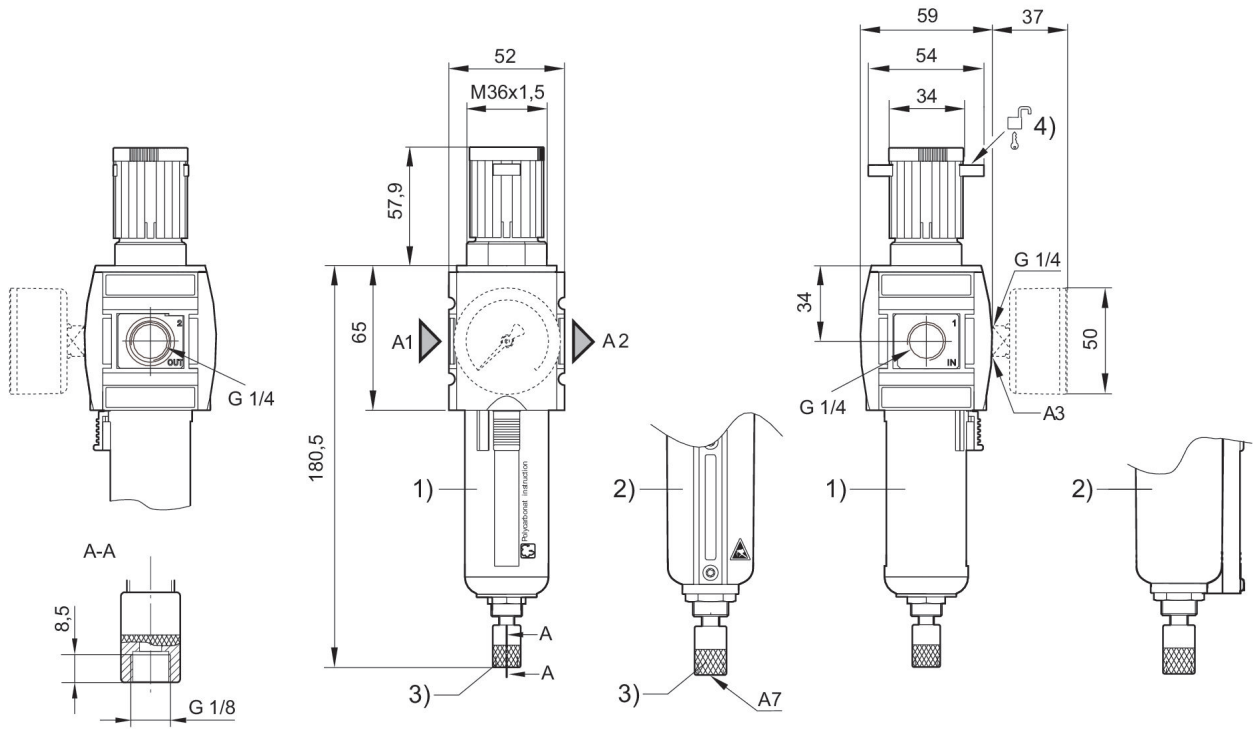
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

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

Order pressure gauge separately

Dimensions in mm

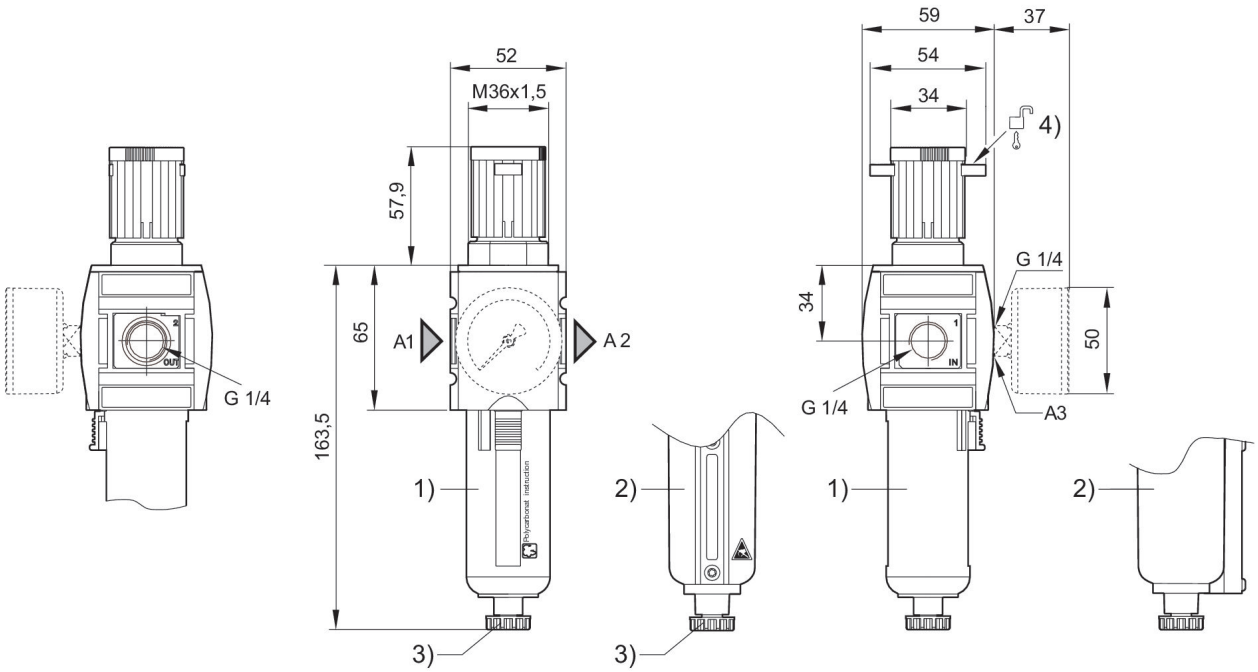
Fig. 2



A1 = input A2 = output A3 = pressure gauge connection
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir
3) Fully automatic condensate drain
4) Mounting option for padlocks, max. shackle Ø 8

Dimensions in mm

Fig. 1



A1 = input A2 = output A3 = pressure gauge connection
1) Plastic reservoir and protective guard with window
2) Metal reservoir
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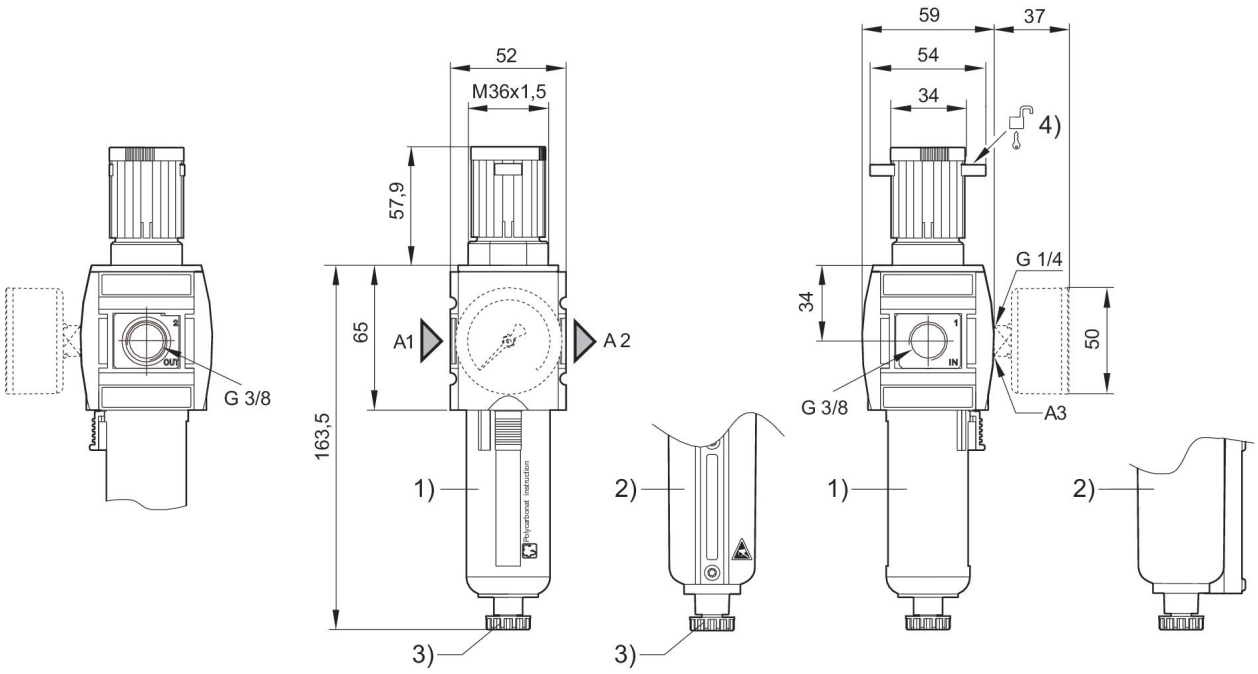
4) Mounting option for padlocks, max. shackle Ø 8

Dimensions in mm

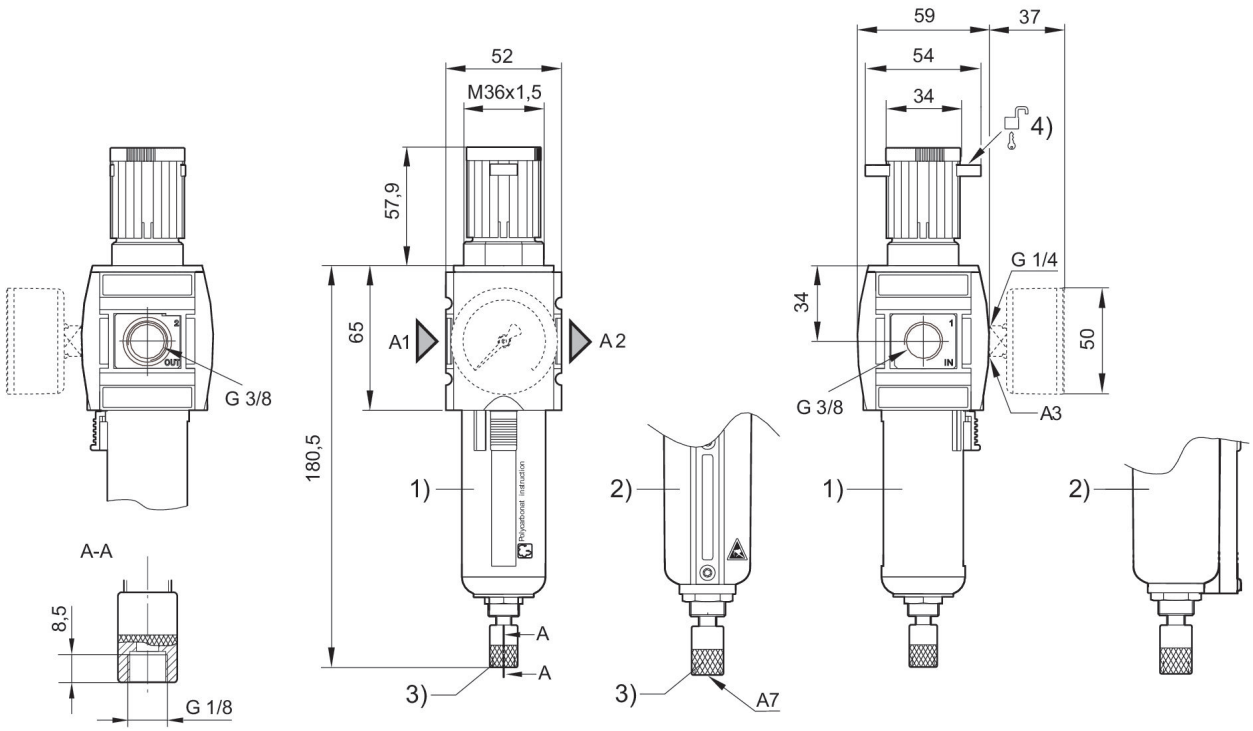
Fig. 3



A1 = input A2 = output A3 = pressure gauge connection
1) Plastic reservoir and protective guard with window
2) Metal reservoir
3) Semi-automatic condensate drain
4) Mounting option for padlocks, max. shackle Ø 8

Dimensions in mm

Fig. 4



A1 = input A2 = output A3 = pressure gauge connection
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2) Metal reservoir
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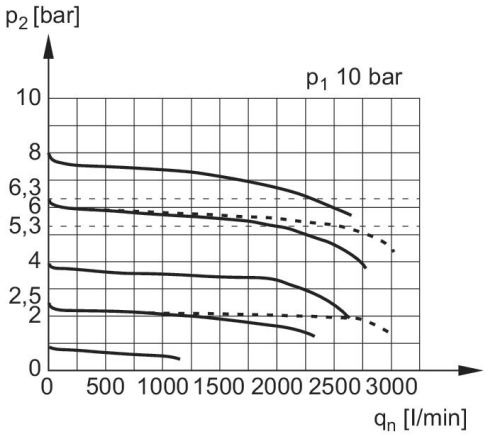
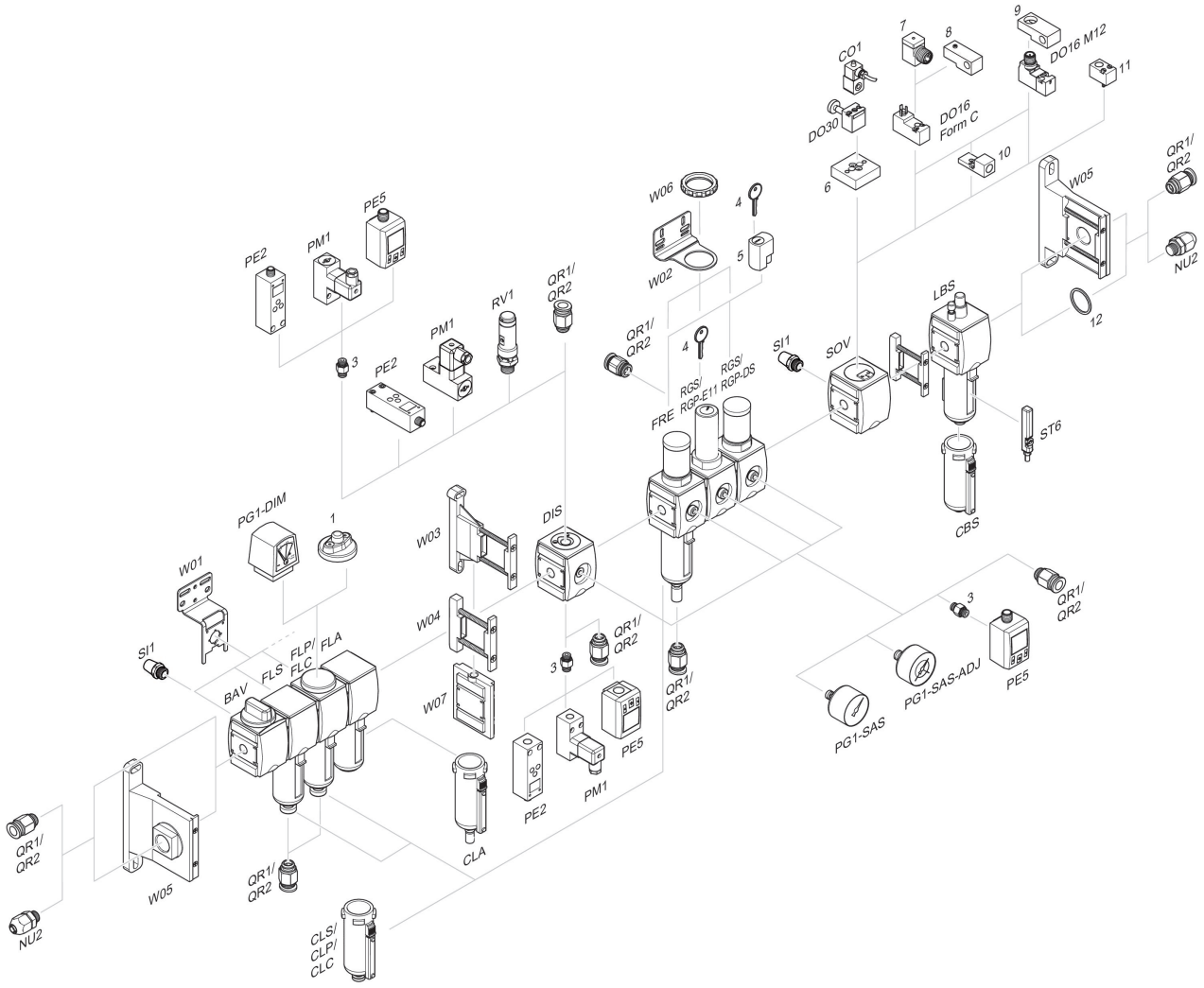
4) Mounting option for padlocks, max. shackle Ø 8

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



p1 = Working pressure p2 = Secondary pressure qn = 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