

## 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.

- This modular versatile series allows to combine a huge range of different functions
- Low weight



## Technical data

Industry

Note

Parts

Reservoir

Port

Nominal flow Qn

Filter porosity

Condensate drain

Pressure gauge

Min. working pressure

Max. working pressure

Min. ambient temperature

Max. ambient temperature

Min. regulation range

Max. regulation range

Lock type

Type

Type

Pressure supply

Industrial

Archive product: Do not use in new constructions!

Filter pressure regulator

reservoir, metal, with inspection glass

G 1/2

5100 l/min

25 µm

semi-automatic, open without pressure

without pressure gauge

1.5 bar

16 bar

-10 °C

50 °C

0.5 bar

8 bar

for padlocks

1-part

Can be assembled into blocks

single

|                                                              |                                   |
|--------------------------------------------------------------|-----------------------------------|
| Mounting orientation                                         | vertical                          |
| Regulator type                                               | Diaphragm-type pressure regulator |
| Regulator function                                           | with relieving air exhaust        |
| Filter element                                               | exchangeable                      |
| Filter reservoir volume                                      | 49 cm <sup>3</sup>                |
| Max. achievable compressed air class acc. to ISO 8573-1:2010 | 7 : 7 : -                         |
| Medium                                                       | Compressed air<br>Neutral gases   |
| Weight                                                       | 0.797 kg                          |

## Material

|                           |                                 |
|---------------------------|---------------------------------|
| Housing material          | Polyamide                       |
| Seal material             | Acrylonitrile butadiene rubber  |
| Material front plate      | Acrylonitrile butadiene styrene |
| Material threaded bushing | Die cast zinc                   |
| Material reservoir        | Die cast zinc                   |
| Material filter insert    | Polyethylene                    |
| Part No.                  | R412007189                      |

## Technical information

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

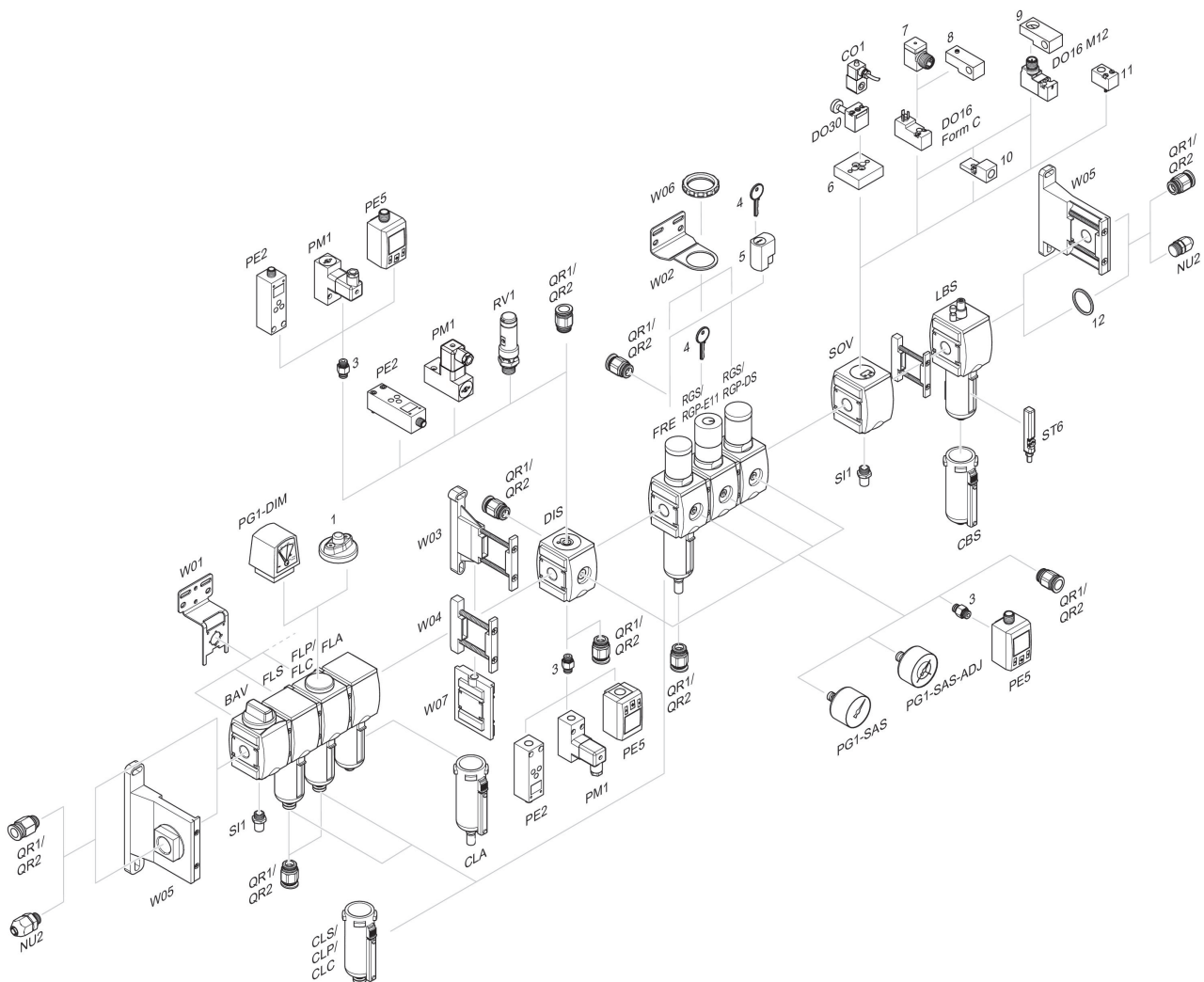
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

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

Nominal flow Q<sub>n</sub> with secondary pressure p<sub>2</sub> = 6 bar at Δp = 1 bar

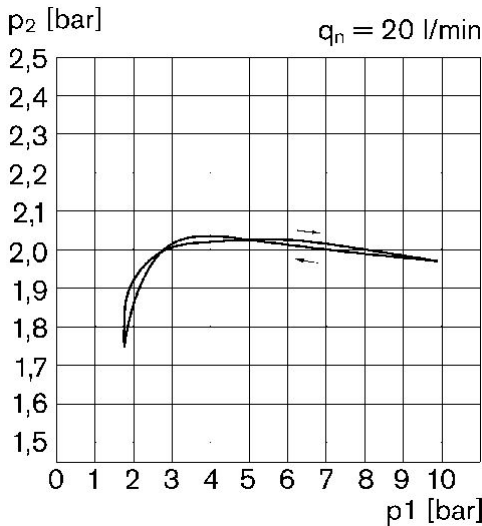
Order pressure gauge separately

## Accessories overview



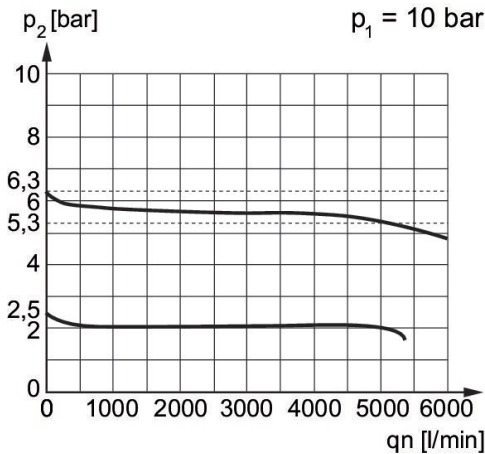
1 = contamination display 3 = Double nipple 4 = Key for E11 locking 5 = mortise lock 6 = Transition plate DO30 7 = Adapter, Series CON-VP 8 = Mounting aid DO16, form C 9 = Mounting aid DO16, M12 10 = Adapter for external pilot air 11 = Adapter pneumatic operation 12 = Sealing ring

Pressure characteristics curve



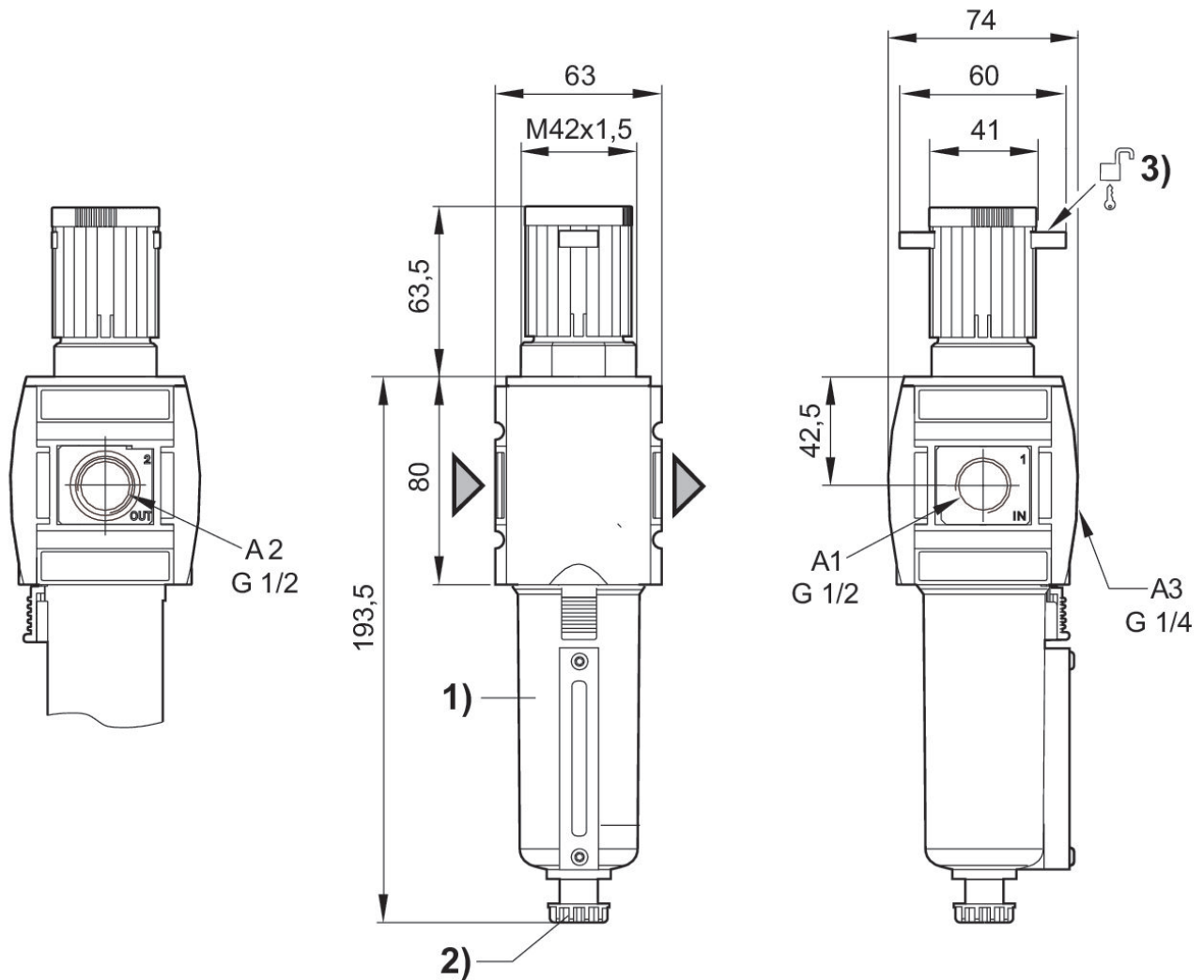
$p_1$  = Working pressure  
 $p_2$  = Secondary pressure  
 $q_n$  = Nominal flow

Flow rate characteristic ( $p_2$ : 0,5 - 8 bar)



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

## Dimensions in mm



- A1 = input
- A2 = output
- A3 = pressure gauge connection
- 1) Metal reservoir with level indicator
- 2) Semi-automatic condensate drain
- 3) Mounting option for padlocks, max. shackle Ø 8