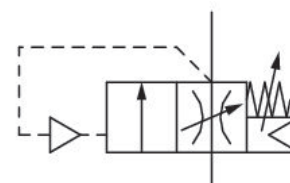


# Filling valve, mechanically adjustable, series AS2-SSV

R412006246

## 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**  
Adjustable filling time and change-over pressure.

**Activation**  
Pneumatically

**Parts**  
Filling valve

**Nominal flow Q<sub>n</sub>**  
2000 l/min

**Compressed air connection**  
G 3/8

**Working pressure min.**  
2.5 bar

**Working pressure max**  
16 bar

**Sealing principle**  
Soft Seal

**Type**  
Poppet valve

**Can be assembled into blocks**  
Can be assembled into blocks

**Min. ambient temperature**  
-10 °C

**Max. ambient temperature**  
50 °C

**Medium**  
Compressed air  
Neutral gases

Max. particle size 40 µm	Weight 0.203 kg
Compressed air connection, exhaust G 3/8	

## Material

Housing material Polyamide	Material threaded bushing Die cast zinc
Seal material Acrylonitrile butadiene rubber	Part No. R412006246
Material, front cover Acrylonitrile butadiene styrene	

## Technical information

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

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.

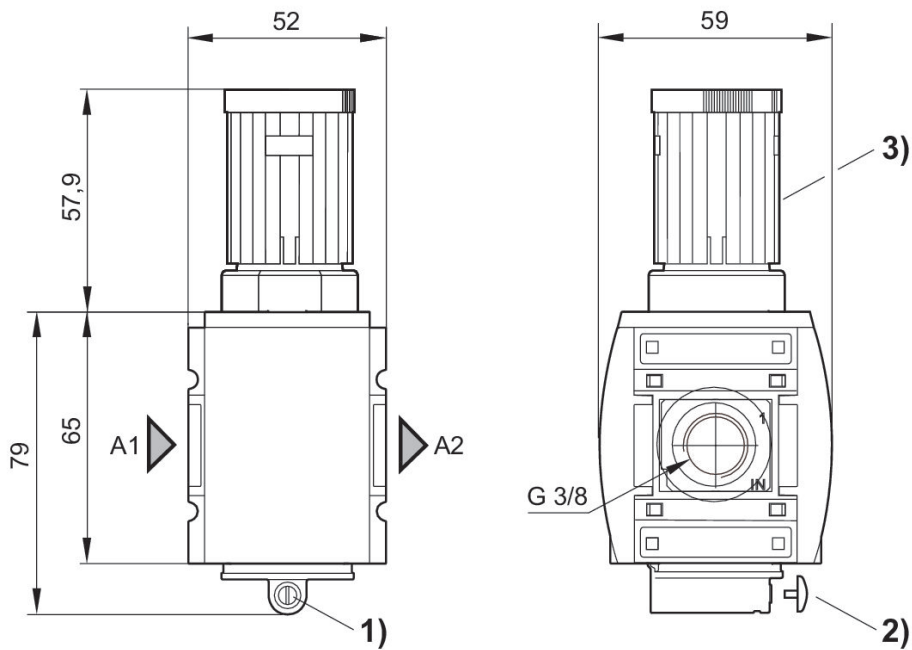
The filling valve builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a recommissioning after a mains pressure failure or avoids emergency OFF switching. This allows dangerous abrupt cylinder motions to be avoided.

Do not position filling valves or filling units upstream of open consumers, such as nozzles, air barriers, air curtains, since these may prevent through connection of components.

Adjustable filling time and change-over pressure.

## Dimensions in mm

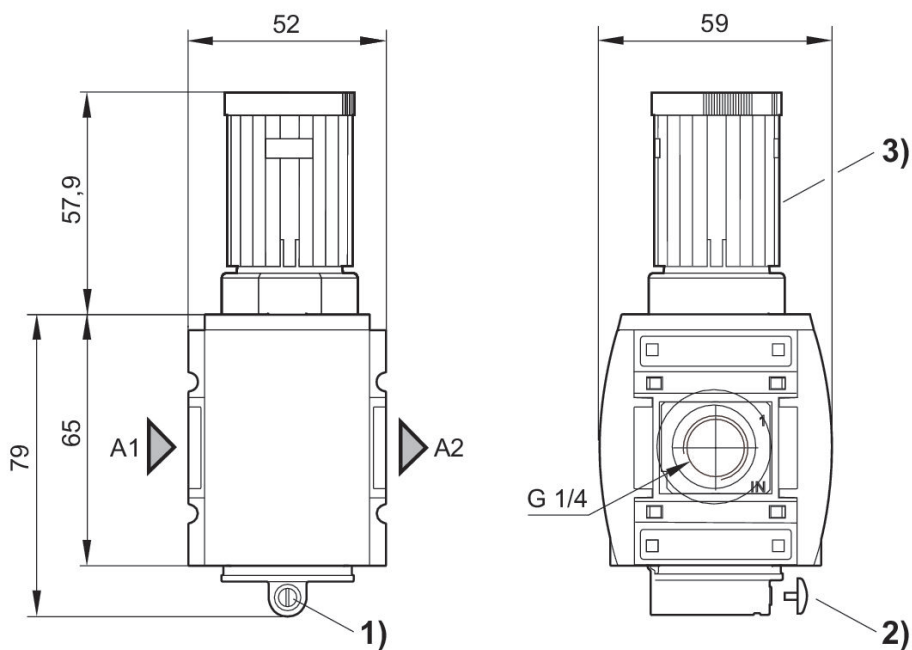
Fig. 2



- A1 = input A2 = output  
1) Adjustment screw for filling time  
2) Adjustment screw lock  
3) handwheel for change-over pressure

## Dimensions in mm

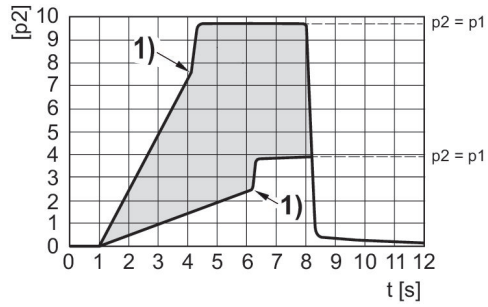
Fig. 1



- A1 = input A2 = output

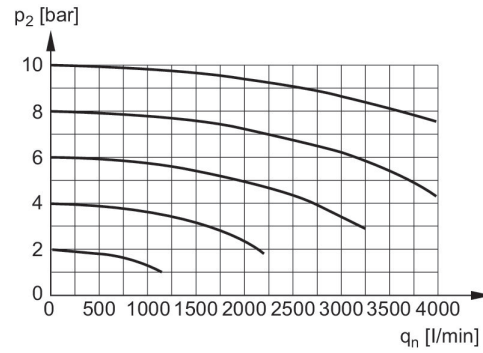
- 1) Adjustment screw for filling time
- 2) Adjustment screw lock
- 3) handwheel for change-over pressure

### Secondary pressure while filling



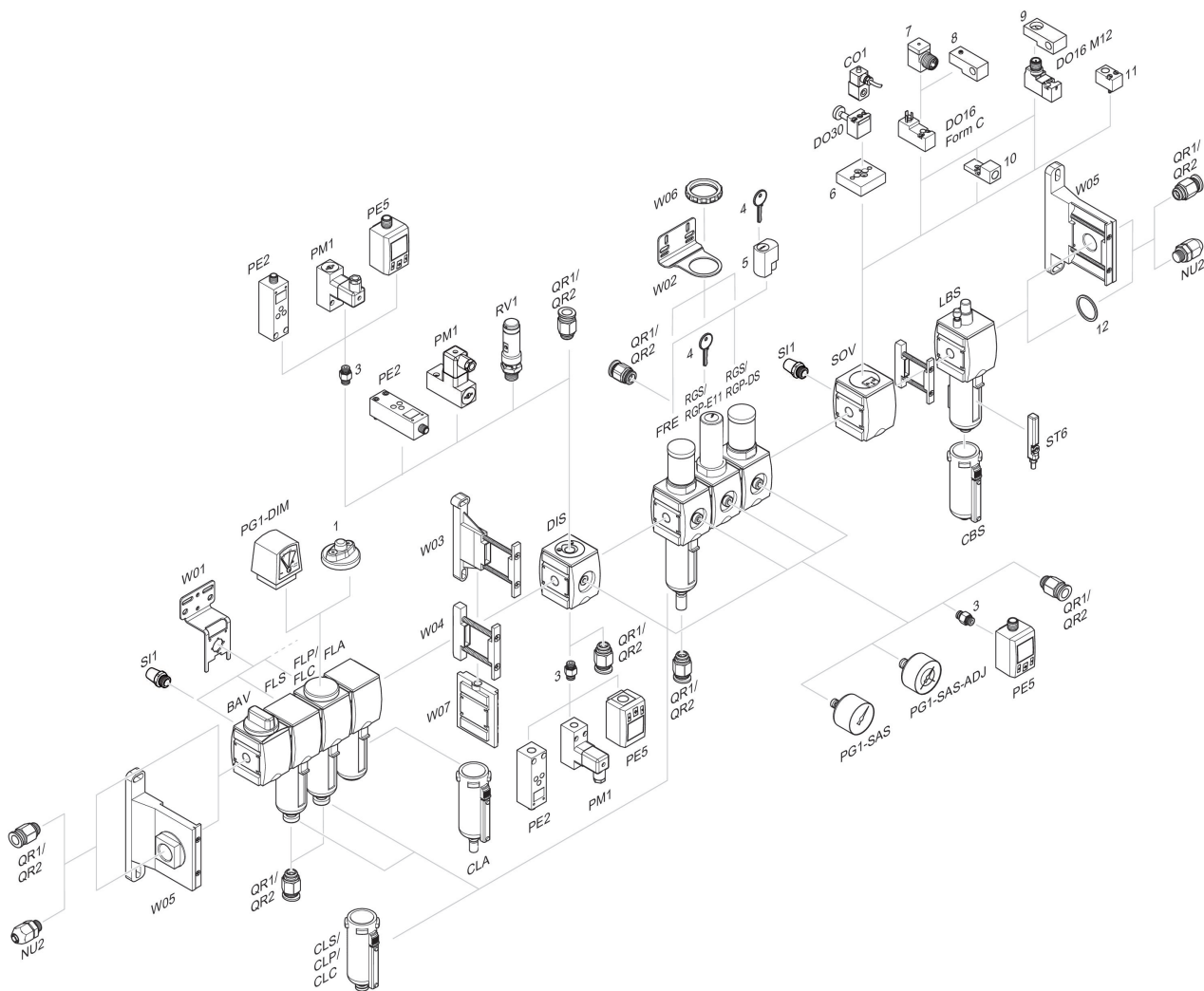
p1 = Working pressure  
 p2 = Secondary pressure  
 t = filling time, adjustable via adjustment screw (throttle)  
 Change-over pressure individually adjustable via handwheel  
 1) Switching point: adjustable filling time and change-over pressure

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



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