

# 3/2-directional valve, electrically operated, Series AS3-SOV

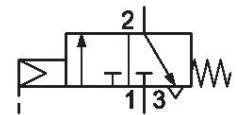
R412007258

Series AS3

2024-08-22

## 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.



## Technical data

Industry	Industrial
Activation	Electrically
Nominal flow Qn	4500 l/min
Compressed air connection	G 3/8
Min. working pressure	2.5 bar
Max. working pressure	16 bar
Sealing principle	Soft seal
Connection type	Pipe connection
Parts	3/2-directional valve
Can be assembled into blocks	Can be assembled into blocks
Basic valve equipment	Basic valve without pilot valve, with CNOMO subbase
Type	Poppet valve
Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Medium	Compressed air Neutral gases
Max. particle size	25 µm
Compressed air connection, exhaust	G 1/2
Nominal flow Qn 1 to 2	4500 l/min
Nominal flow Qn 2 to 3	3200 l/min
Protection class with connection	IP65
Weight	0.459 kg

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## Material

Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber
Material threaded bushing	Die cast zinc
Material front plate	Acrylonitrile butadiene styrene
Part No.	R412007258

## Technical information

The pressure dew point must be at least 15 °C less than 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.

2 x O-ring Ø3x1,5 (included)

See accessories for pilot valve and coil

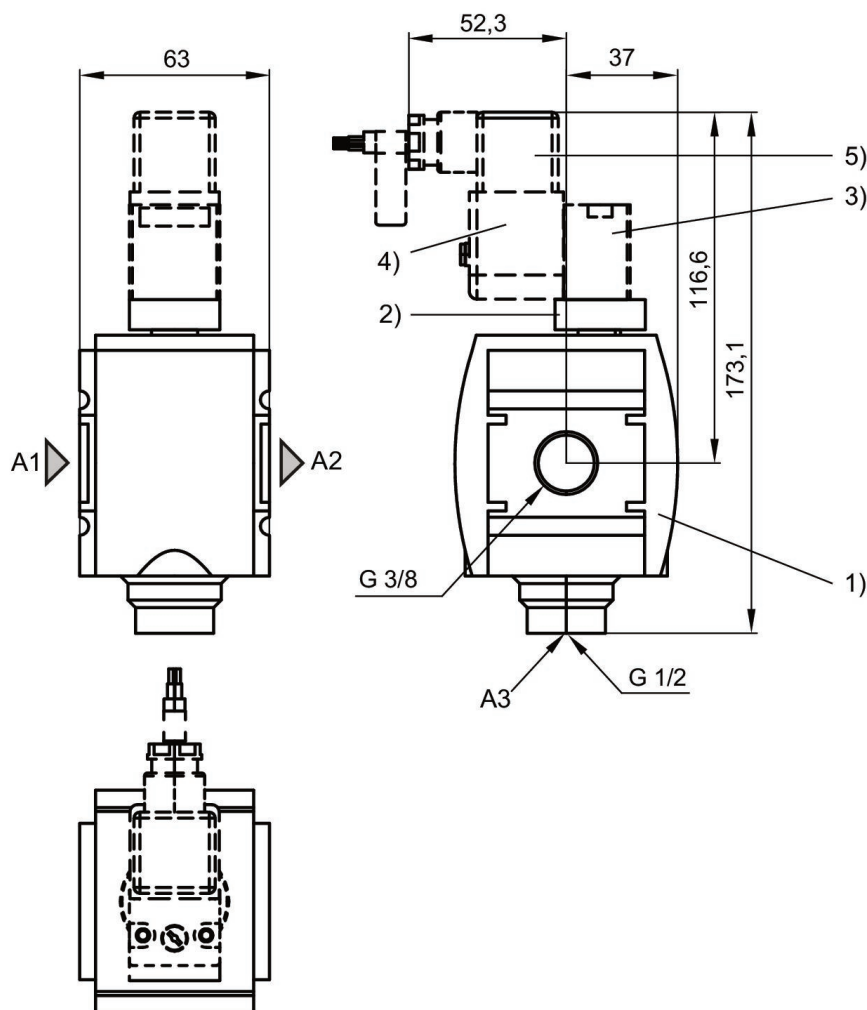
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Dimensions in mm



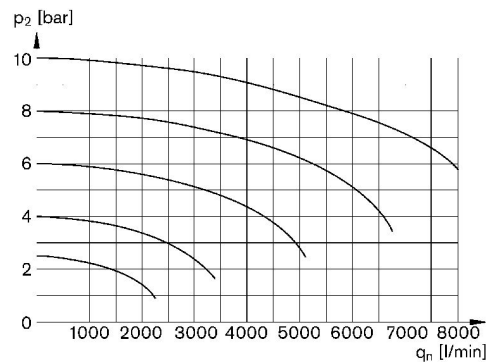
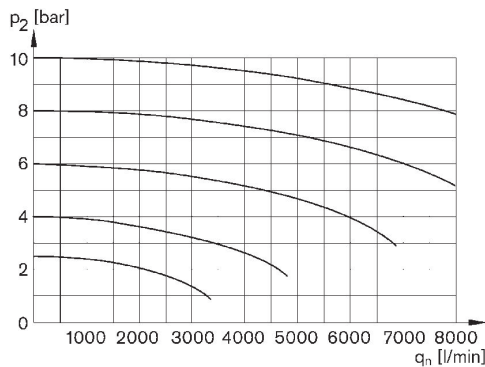
- A1 = input
- A2 = output
- A3 = ventilation port
- 1) Shut-off valve
- 2) Transition plate
- 3) Pilot valve
- 4) Coil
- 5) Valve plug connector

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Flow rate characteristic,  $p_2 = 0,05 - 7$  bar  
Rear exhaust



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

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

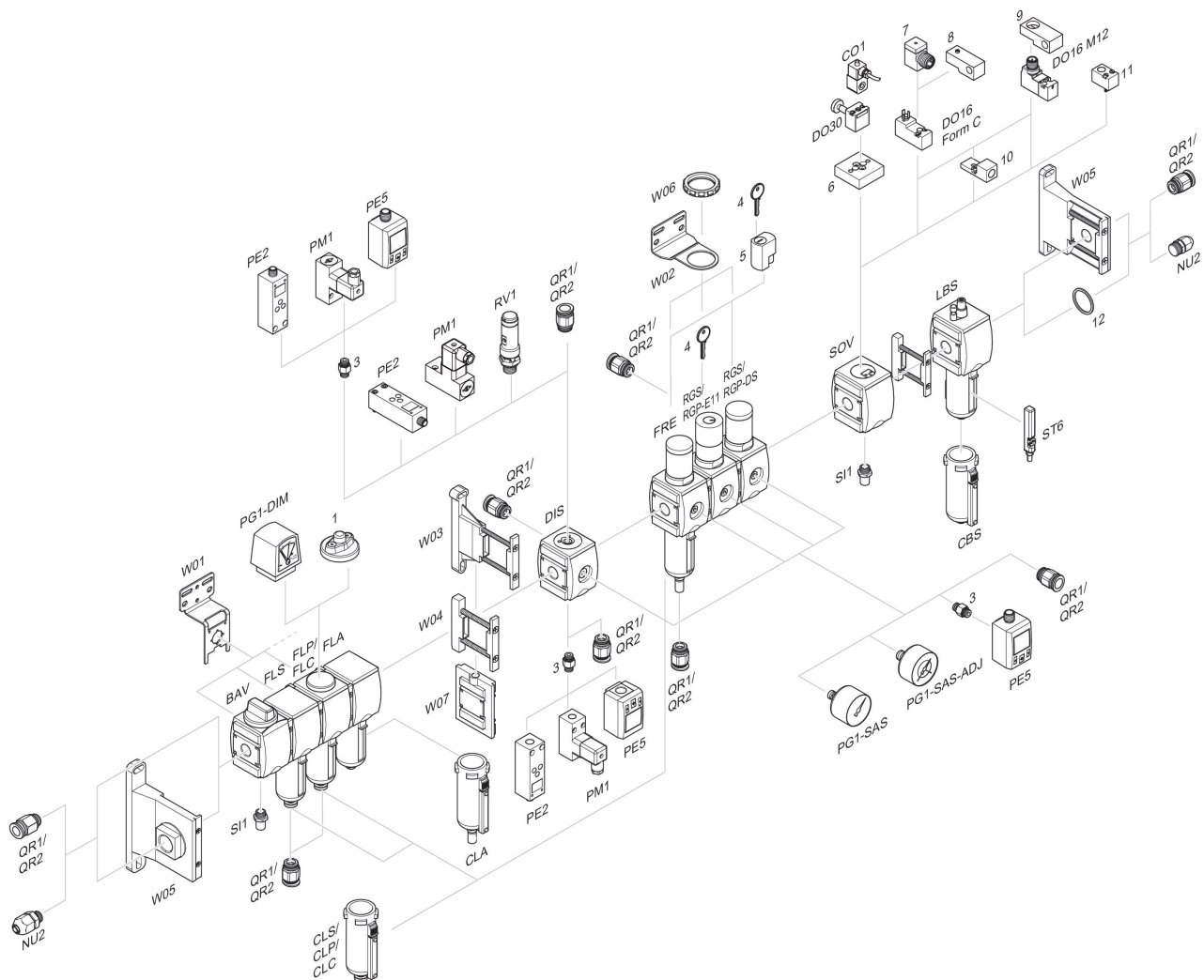
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## Accessories overview



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