

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

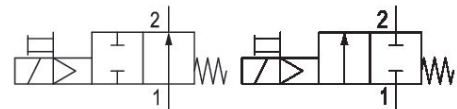
R414012347

Series AS3

2024-04-04

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
Version	NO
Compressed air connection	G 1/2
Min. working pressure	2.5 bar
Max. working pressure	8 bar
Operational voltage DC	24 V
Sealing principle	Soft seal
Connection type	Pipe connection
Parts	2/2-directional valve
Can be assembled into blocks	Can be assembled into blocks
Basic valve equipment	Basic valve with pilot valve
Type	Poppet valve
Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Medium	Compressed air Neutral gases
Max. particle size	25 µm
Operating voltage	24 V DC

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Power consumption DC	2 W
Duty cycle	100 %
Protection class with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Electrical connection 1, type	Plug
Electrical connection 1, thread size	ISO 15217, form C
Weight	0.53 kg

Material

Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber
Material threaded bushing	Die cast zinc
Material front plate	Acrylonitrile butadiene styrene
Part No.	R414012347

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.

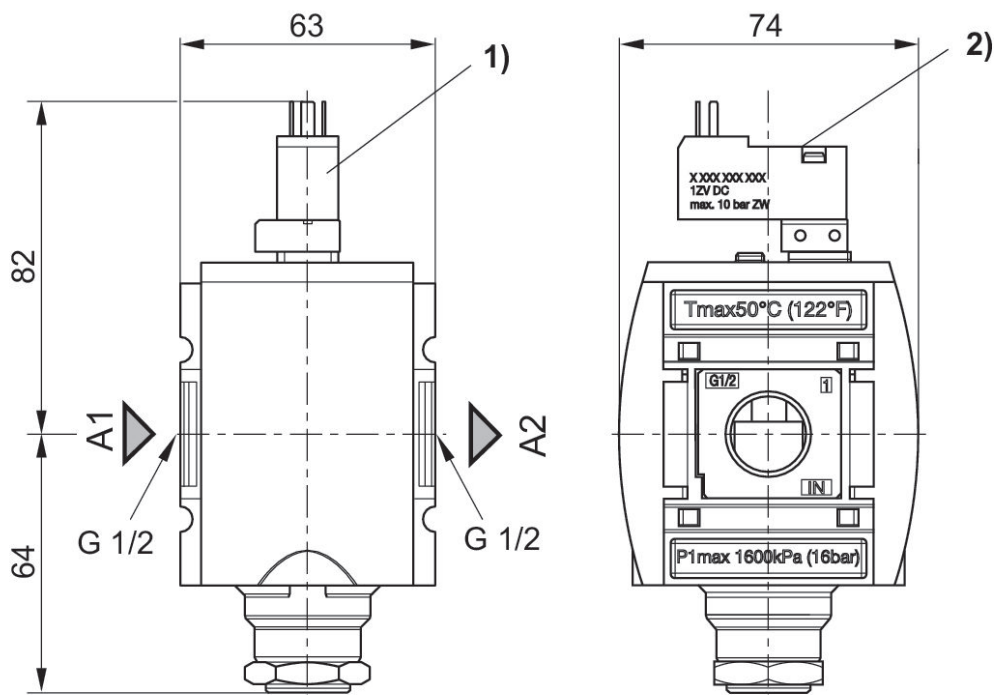
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Dimensions in mm



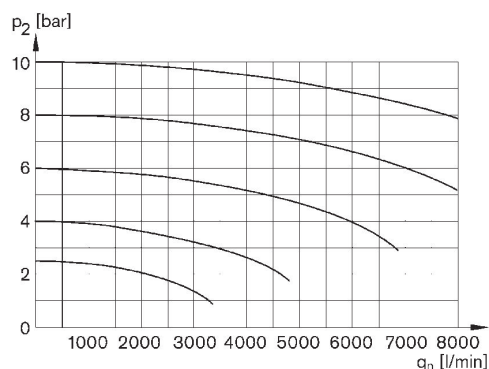
A1 = input

A2 = output

1) Connection for valve plug connector according to ISO 15217 (form C)

2) Manual override

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



p_2 = Secondary pressure

q_n = Nominal flow

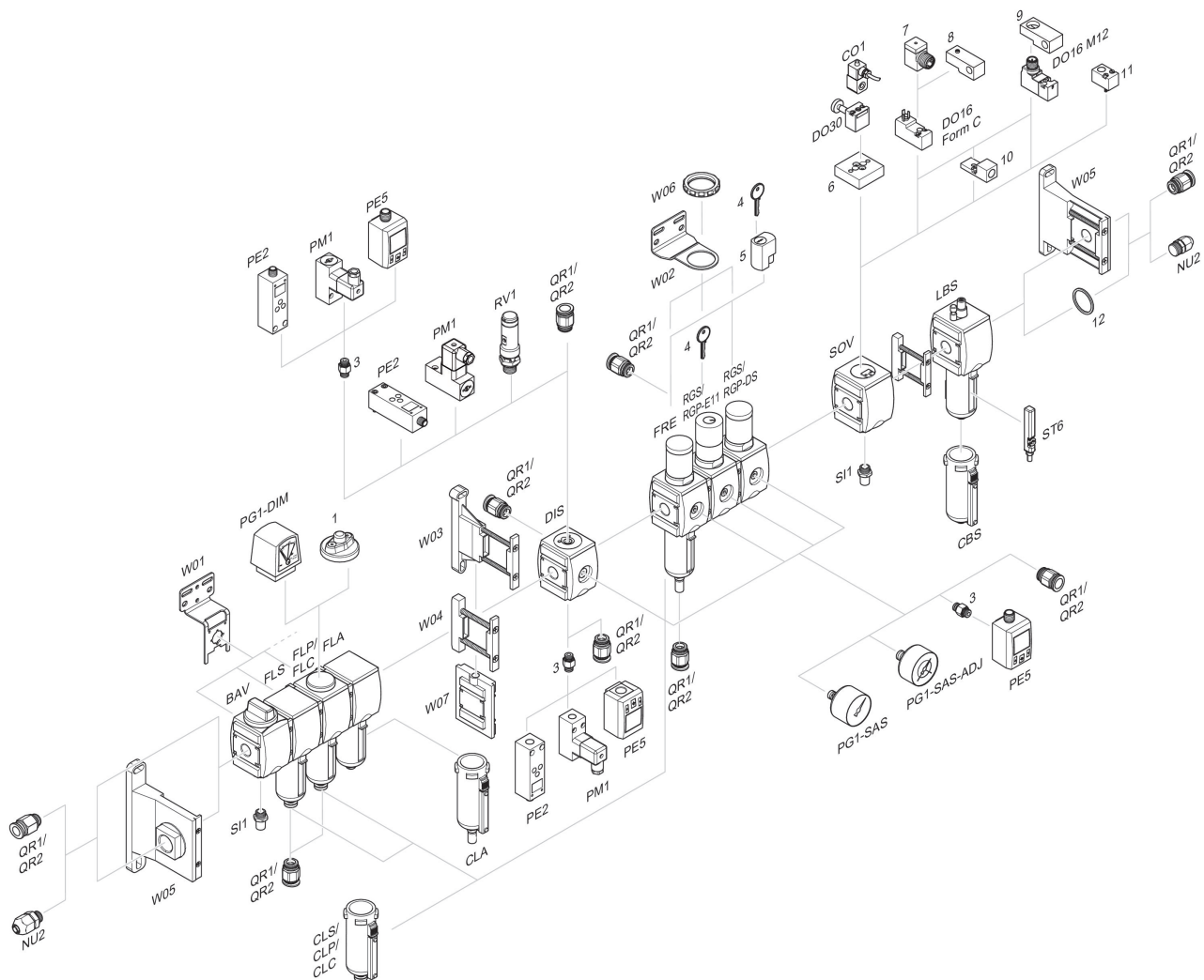
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Accessories overview



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