

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

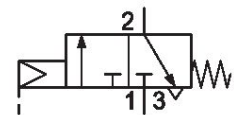
R412007264

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 Q_n	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
Type	Poppet valve
Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Medium	Compressed air Neutral gases
Max. particle size	25 μ m
Compressed air connection, exhaust	G 1/2
Nominal flow Q_n 1 to 2	4500 l/min
Nominal flow Q_n 2 to 3	3200 l/min

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Protection class with connection

IP65

Weight

0.459 kg

Material

Housing material

Polyamide

Seal material

Acrylonitrile butadiene rubber

Material threaded bushing

Die cast zinc

Material front plate

Acrylonitrile butadiene styrene

Part No.

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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.

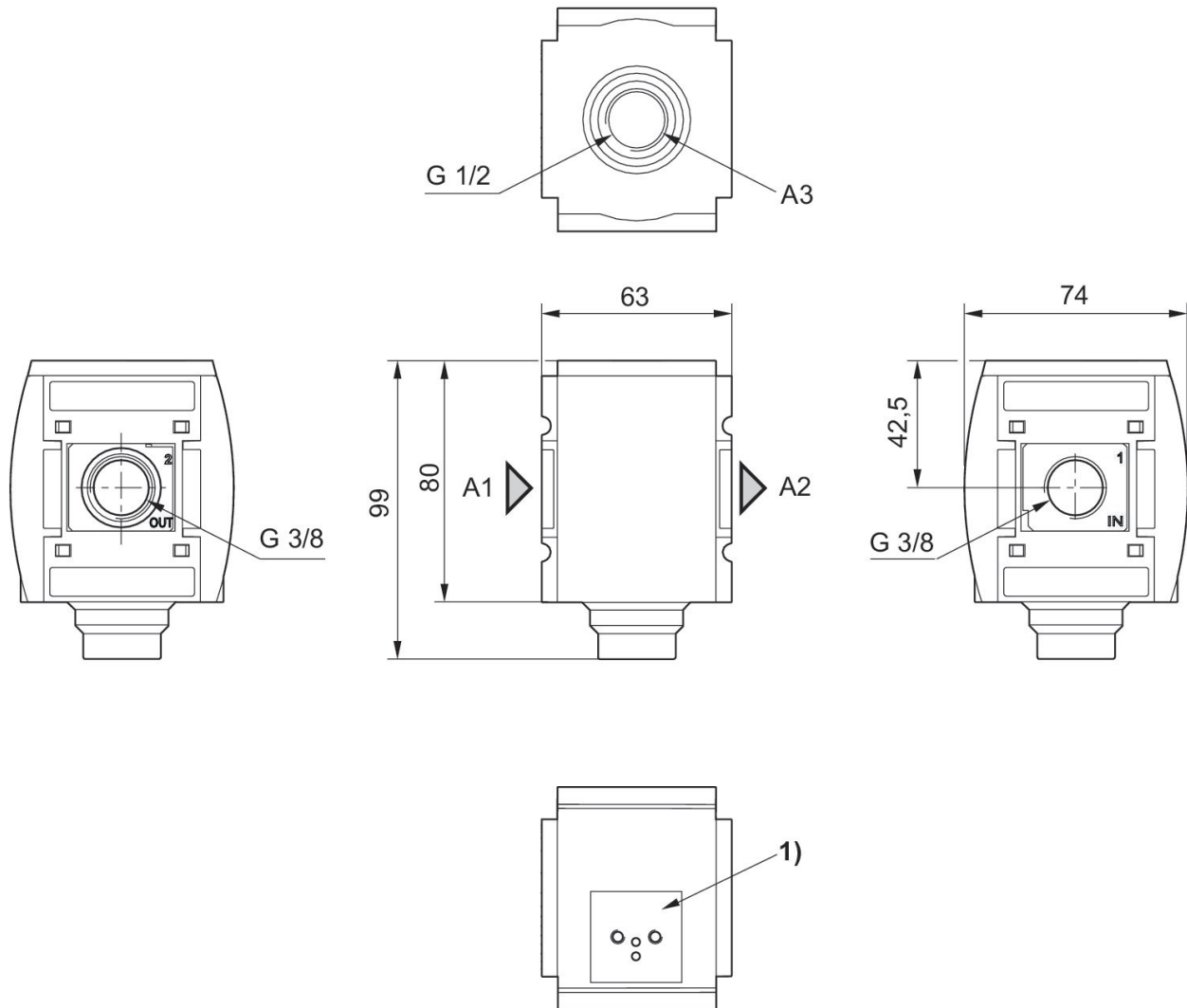
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Dimensions in mm



A1 = input
A2 = output
A3 = ventilation port
1) For pilot valve series DO16

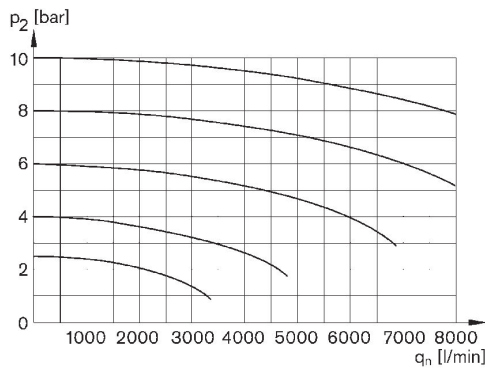
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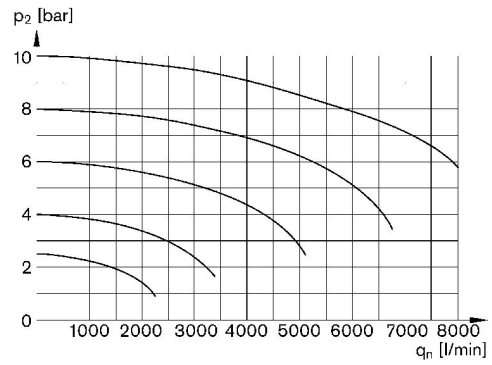
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Flow rate characteristic, $p_2 = 0,05 - 7$ bar
Rear exhaust



p_2 = Secondary pressure
 q_n = Nominal flow



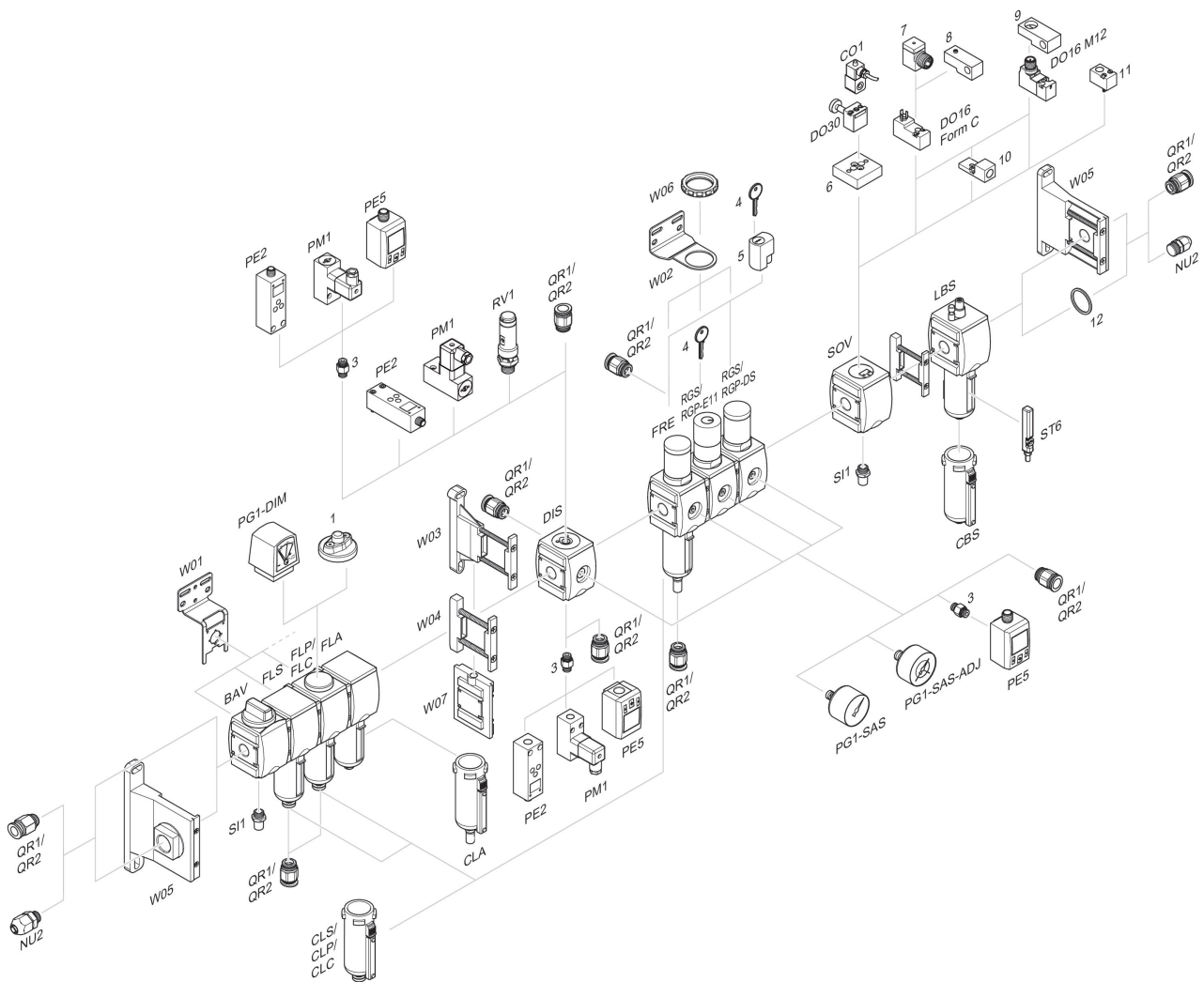
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 q_n = Nominal flow

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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