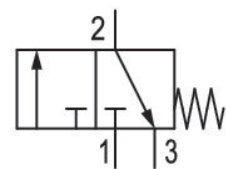


3/2-directional valve, electrically operated, Series AS5-SOV

R412009264

General series information Series AS5

- The AVENTICS Series AS5 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	12500 l/min
Compressed air connection	G 3/4
Working pressure min.	2.5 bar
Working pressure max	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 with electrical connector	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	5 µm
Compressed air connection, exhaust	G 1/2
Nominal flow Qn 1 to 2	12500 l/min
Nominal flow Qn 2 to 3	3700 l/min
Weight	0.641 kg

Material

Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber
Material threaded bushing	Die cast zinc
Material front plate	Acrylonitrile butadiene styrene
Part No.	R412009264

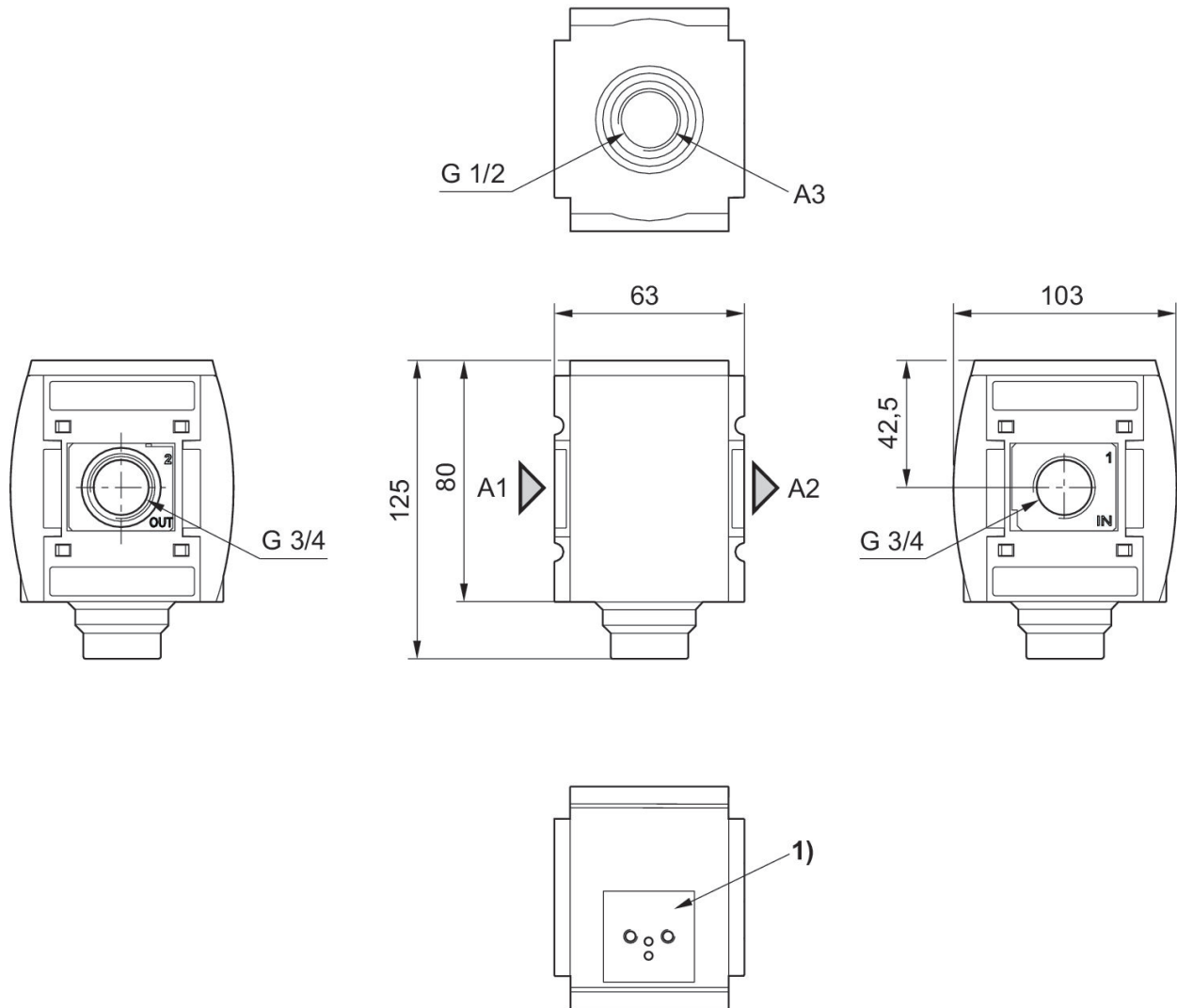
Technical information

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

Nominal flow Qn with secondary pressure $p_2 = 6$ bar at $\Delta p = 1$ bar

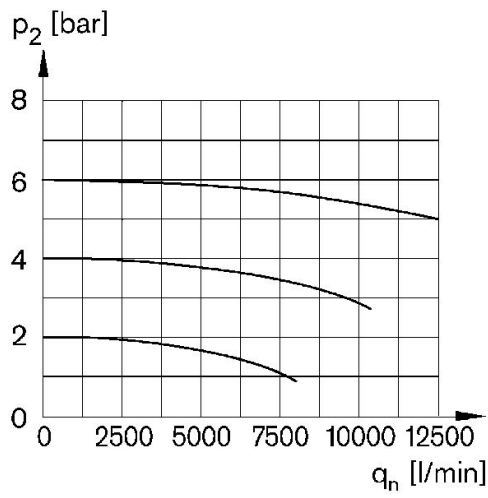
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

Dimensions in mm



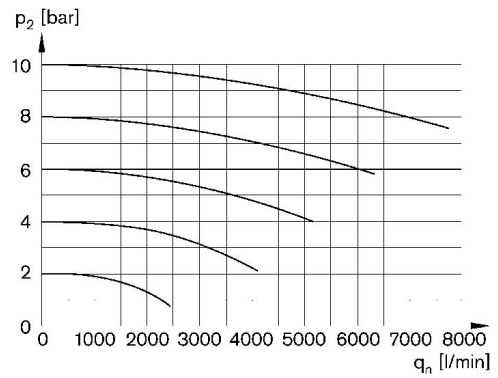
A1 = input
A2 = output
A3 = ventilation port
1) For pilot valve series DO16

Flow rate characteristic $p_2 = 0,05 - 7 \text{ bar}, 1 > 2$



p_2 = Secondary pressure
 q_n = Nominal flow

Rear exhaust $2 > 3$



p_2 = Secondary pressure
 q_n = Nominal flow

