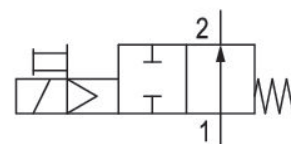


# 2/2-directional valve, electrically operated, Series AS5-SOV

R414014102

## 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
Version	NO
Compressed air connection	G 1
Working pressure min.	2.5 bar
Working pressure max	8 bar
DC operating voltage	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 with electrical connector	Basic valve with pilot valve
Type	Poppet valve

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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
Power consumption DC	2 W
Protection class	IP65
Reverse polarity protection	Protected against polarity reversal
Electrical connection 2, thread size	ISO 15217, form C
Weight	0.875 kg

## Material

Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber
Material threaded bushing	Die cast zinc
Material front plate	Acrylonitrile butadiene styrene
Part No.	R414014102

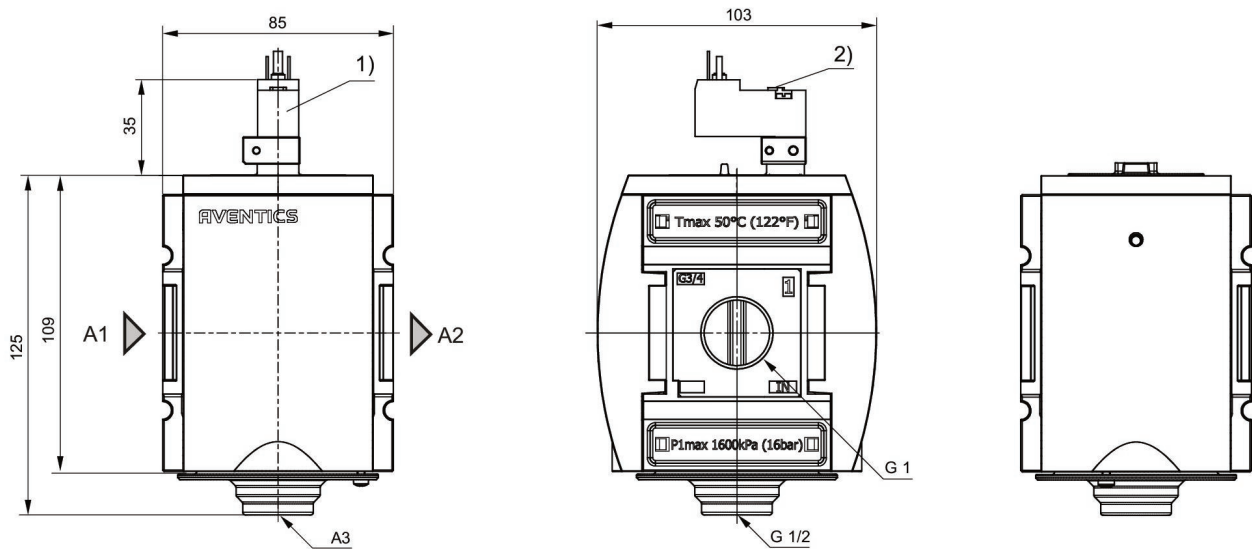
## Technical information

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.

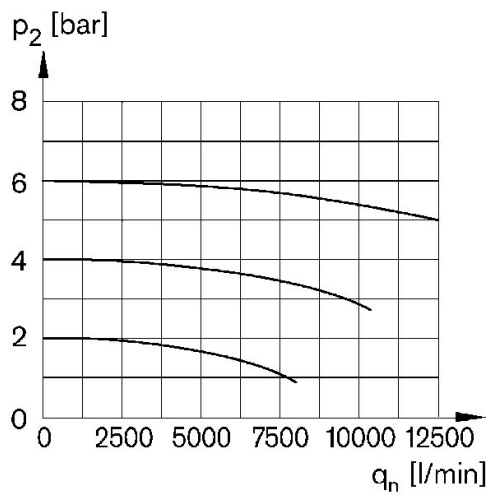
### Dimensions in mm



A1 = input A2 = output A3 = ventilation port  
 1) Connection for valve plug connector according to ISO 15217 (form C)  
 2) Manual override

### Flow rate characteristic

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



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