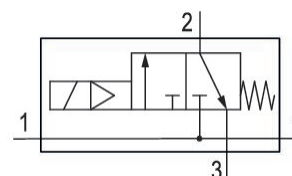


3/2-directional valve, electrically operated, Series NL1-SOV-...-DS

0821300673

General series information Series NL1

- The AVENTICS Series NL maintenance units are suitable for all areas: as individual components or as assembled maintenance units, for centralized or decentralized compressed air preparation, in compact or powerful versions, for use in high or low temperatures. This line offers a complete, customizable compressed air preparation technology. It includes an option to combine every component in the Series to achieve the desired function, making it possible to adjust the components precisely to the application requirements.



Technical data

Industry	Industrial
Activation	Electrically
Nominal flow Qn	2000 l/min
Compressed air connection	G 1/4
Working pressure min.	2.5 bar
Working pressure max	10 bar
DC operating voltage	24 V
Sealing principle	Soft Seal
Pilot	Internal
Connection type	Pipe connection
Parts	3/2-directional valve
Can be assembled into blocks	Can be assembled into blocks
Type	Poppet valve

Min. ambient temperature	-10 °C
Max. ambient temperature	60 °C
Medium	Compressed air Neutral gases
Max. particle size	5 µm
Compressed air connection, exhaust with continuous pressure supply	G 1/4 with continuous pressure supply
Nominal flow Qn 1 to 2	2000 l/min
Nominal flow Qn 2 to 3	800 l/min
Power consumption DC	4.8 W
Duty cycle	100 %
Protection class with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Electrical connection type 2	Plug
Electrical connection 2, thread size	ISO 6952, form B
Weight	0.45 kg

Material

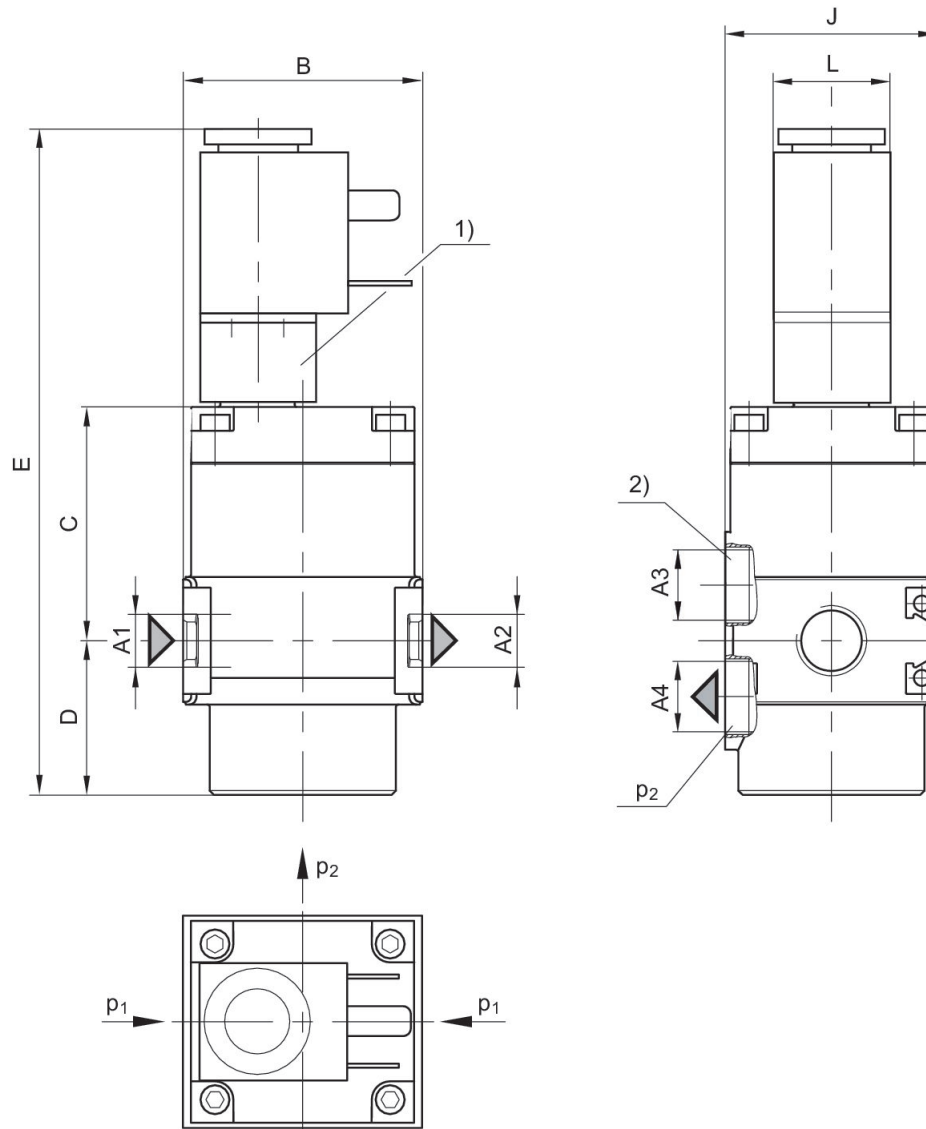
Housing material	Die cast zinc
Seal material	Acrylonitrile butadiene styrene
Part No.	0821300673

Technical information

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

Nominal flow Qn with secondary pressure p2 = 6 bar at $\Delta p = 1$ bar

Dimensions



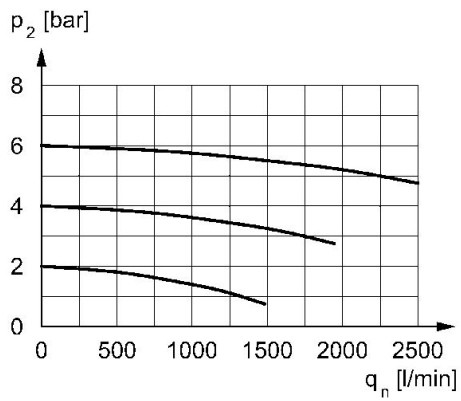
A1 = input A2 = output A3 = ventilation port
 A4 = output
 p1 = Working pressure
 p2 = Secondary pressure
 1) electrically operated
 2) Port 3 (Exhaust)

Dimensions in mm

Part No.	A1	A2	A3	A4	A6	B	C	D	E
0821300673	G 1/4	G 1/4	G 1/4	G 1/4	G 1/4	45	44.5	29	124.5
0821300675	G 1/4	G 1/4	G 1/4	G 1/4	G 1/4	45	44.5	29	124.5
0821300676	G 1/4	G 1/4	G 1/4	G 1/4	G 1/4	45	44.5	29	124.5

Part No.	J	L
0821300673	40	22
0821300675	40	22
0821300676	40	22

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



p_2 = secondary pressure q_n = nominal flow