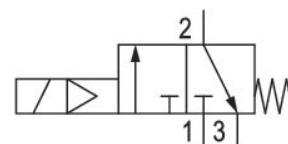


3/2-directional valve, electrically operated, Series NL1-SOV

0821300777

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.	3 bar
Working pressure max	10 bar
Operational voltage AC at 50 Hz	230 V
Operational voltage AC at 60 Hz	230 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	G 1/4
Nominal flow Qn 1 to 2	2000 l/min
Nominal flow Qn 2 to 3	800 l/min
Holding power AC 50 Hz	8.5 VA
Switch-on power AC 50 Hz	11.8 VA
Duty cycle	100 %
Connector standard	ISO 6952
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

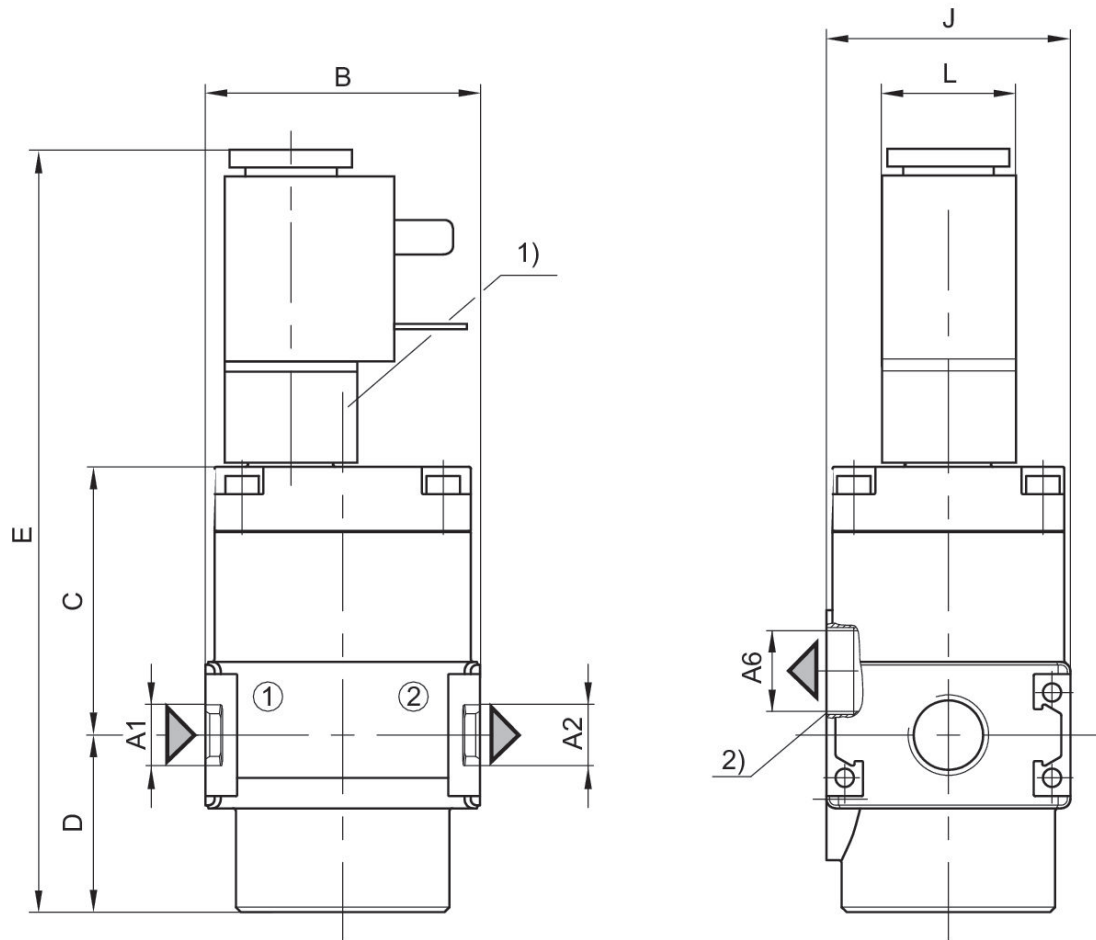
Housing material	Die cast zinc
Seal material	Acrylonitrile butadiene styrene
Part No.	0821300777

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 $p_2 = 6$ bar at $\Delta p = 1$ bar

Dimensions

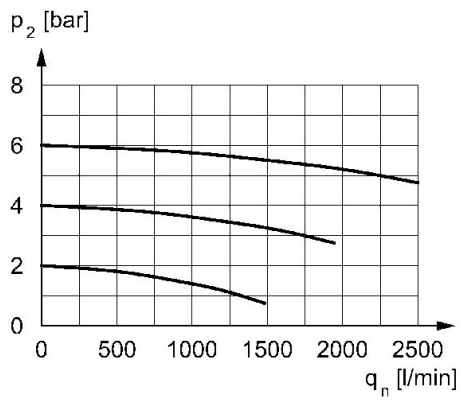


A1 = input A2 = output A6 = output
 1) electrically operated
 2) Port 3 (Exhaust)

Dimensions in mm

Part No.	A1	A2	A6	B	C	D	E	J	L
0821300776	G 1/4	G 1/4	G 1/4	45	44.5	29	124.5	40	22
0821300777	G 1/4	G 1/4	G 1/4	45	44.5	29	124.5	40	22
0821300778	G 1/4	G 1/4	G 1/4	45	44.5	29	124.5	40	22
0821300779	G 1/4	G 1/4	G 1/4	45	44.5	29	124.5	40	22

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



p_2 = secondary pressure q_n = nominal flow