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

- Compressed air connection G 1/4
- Pipe connection
- Electrical connection: Plug, ISO 6952, form B

Type	Poppet valve, Can be assembled into blocks
Parts	3/2-directional valve, electrically operated
Nominal flow 1 ▸ 2	2000 l/min
Nominal flow 2 ▸ 3	800 l/min
Working pressure min./max.	3 ... 10 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 ... 60 °C
Ambient temperature min./max.	-10 ... 60 °C
Pilot	Internal
Sealing principle	Soft sealing
Max. particle size	5 µm
Protection class acc. to DIN EN 61140 with plug	IP65
Duty cycle	100 %
Weight	See table below

Technical data

Part No.			Compressed air connection input	Compressed air connection output	Exhaust
0821300776		–	G 1/4	G 1/4	G 1/4
0821300777		–	G 1/4	G 1/4	G 1/4
0821300778		–	G 1/4	G 1/4	G 1/4
0821300779			G 1/4	G 1/4	G 1/4

Part No.	Operational voltage	Operational voltage	Operational voltage
	DC	AC 50 Hz	AC 60 Hz
0821300776	24 V	-	-
0821300777	-	230 V	230 V
0821300778	-	-	-
0821300779	-	-	-

Part No.	Power consumption	Holding power	Switch-on power	Manual override
	DC	AC 50 Hz	AC 50 Hz	
0821300776	4,8 W	-	-	-
0821300777	-	8,5 VA	11,8 VA	-
0821300778	-	-	-	-
0821300779	-	-	-	with detent

Part No.	Electrical connection	Connector standard	basic valve with electrical connector
	Pilot valve		
0821300776	Plug, ISO 6952, form B	ISO 6952	-

Part No.	Electrical connection	Connector standard	basic valve with electrical connector
	Pilot valve		
0821300777	Plug, ISO 6952, form B	ISO 6952	-
0821300778	Plug, ISO 6952, form B	-	pilot valve without coil
0821300779	Plug, ISO 6952, form B	-	pilot valve without coil

Part No.	Reverse polarity protection	Weight
0821300776	Protected against polarity reversal	0,45 kg
0821300777	Protected against polarity reversal	0,45 kg
0821300778	Protected against polarity reversal	0,42 kg
0821300779	Protected against polarity reversal	0,42 kg

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Technical information

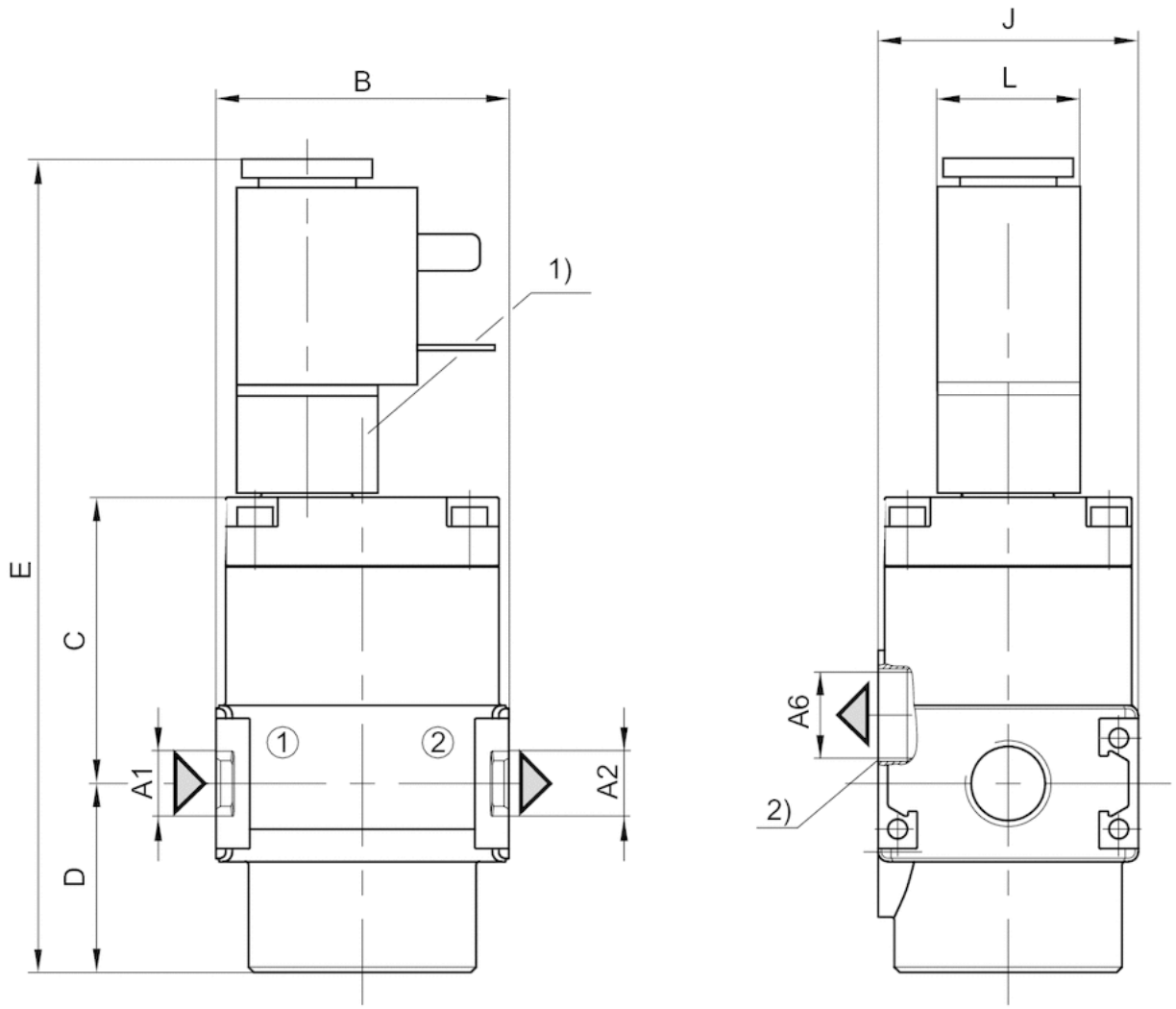
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene styrene

Dimensions

Dimensions



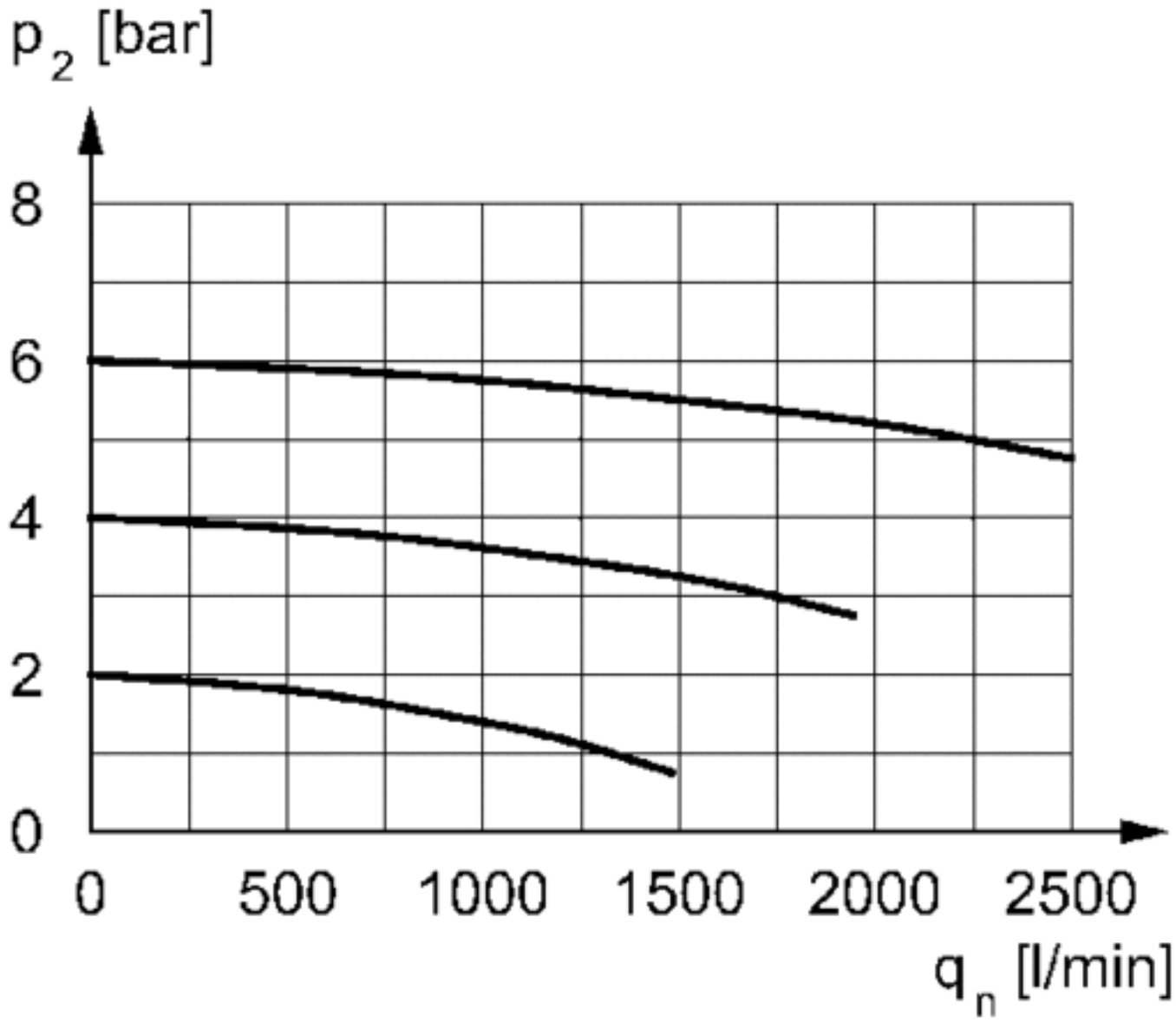
A1 = input
A2 = output
A6 = output
1) electrically operated
2) Port 3 (Exhaust)

Dimensions in mm

A1	A2	A6	B	C	D	E	J	L
G 1/4	G 1/4	G 1/4	45	44.5	29	124.5	40	22

Diagrams

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

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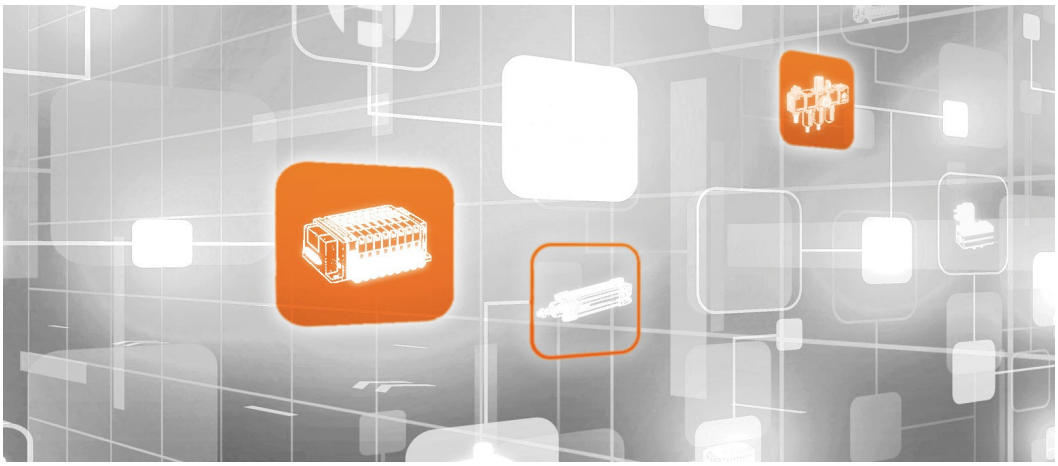

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