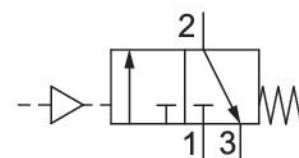


# 3/2-directional valve, pneumatically operated, Series NL6-SOV

0821300989

## General series information Series NL6

- 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	Pneumatically
Parts	3/2-directional valve
Nominal flow Qn	12500 l/min
Compressed air connection	G 1
Working pressure min.	0 bar
Working pressure max	16 bar
Connection type	Pipe connection
Sealing principle	Soft Seal
Type	Poppet valve
Can be assembled into blocks	Can be assembled into blocks
Control pressure min.	2.5 bar
Control pressure max.	16 bar
Min. ambient temperature	-10 °C

Max. ambient temperature	60 °C
Medium	Compressed air Neutral gases
Max. particle size	8 µm
Compressed air connection, exhaust	G 1/2
Nominal flow Qn 1 to 2	12500 l/min
Nominal flow Qn 2 to 3	3900 l/min
Weight	1.44 kg

## Material

Housing material	Die-cast aluminum
Seal material	Acrylonitrile butadiene rubber
Material, front cover	Acrylonitrile butadiene styrene
Part No.	0821300989

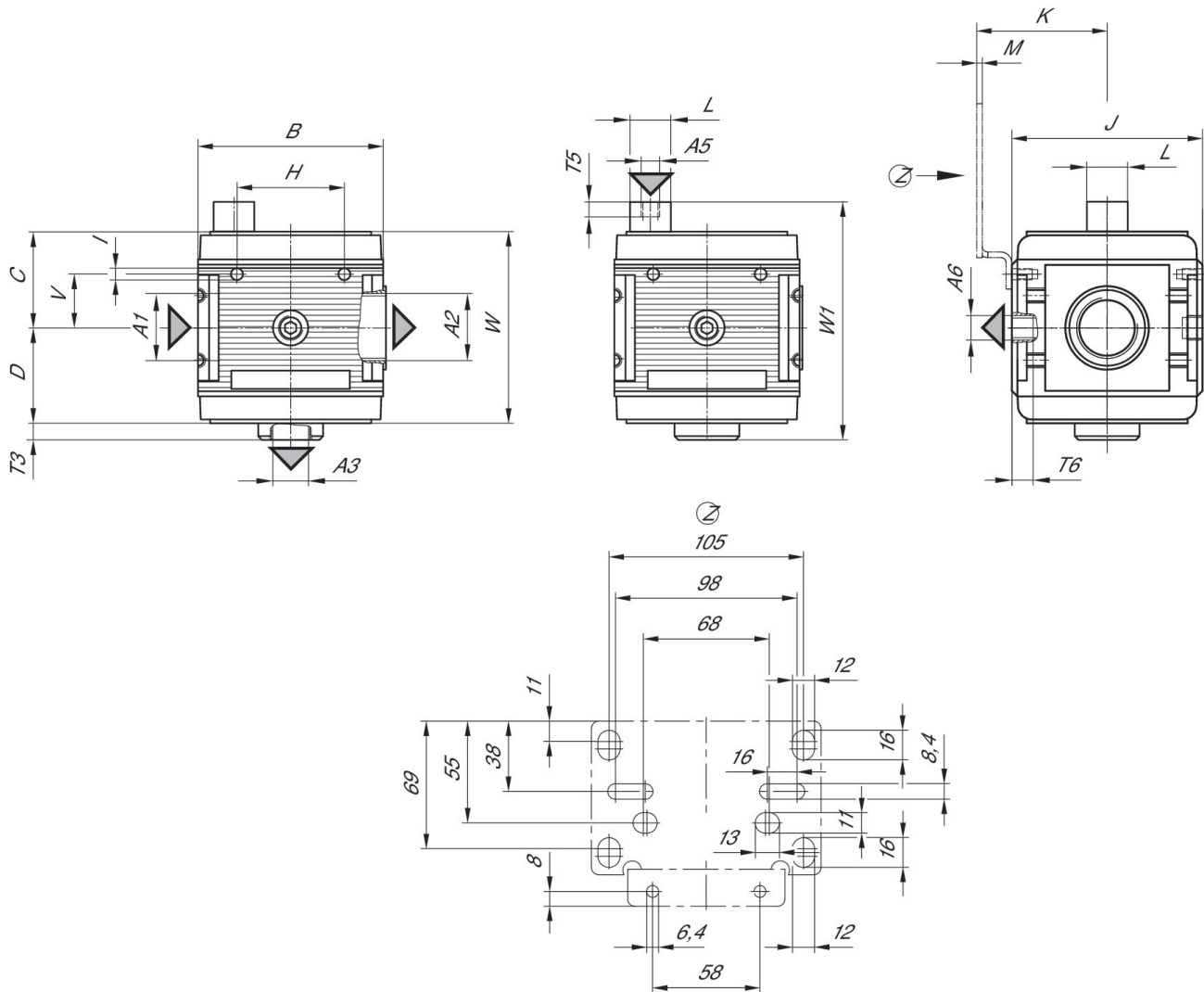
## Technical information

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

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



A1 = input  
A2 = output  
A3 = ventilation port  
A5 = Control pressure connection  
A6 = output

## Dimensions in mm

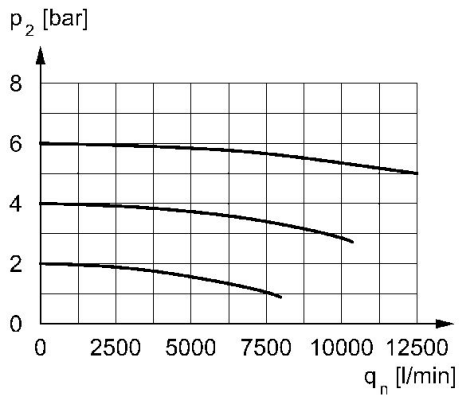
Part No.	A1	A2	A3	A5	A6	B	C	D	F
0821300988	G 3/4	G 3/4	G 1/2	G 1/8	G 1/4	100	52	50.5	9.5
0821300989	G 1	G 1	G 1/2	G 1/8	G 1/4	100	52	50.5	9.5

Part No.	H	I	J	K	L	M	T5	T6	V
0821300988	58	M6	103	70.5	22	3	18	7	29
0821300989	58	M6	103	70.5	22	3	18	7	29

Part No.	W1
0821300988	128.5

Part No.	W1
0821300989	128.5

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



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