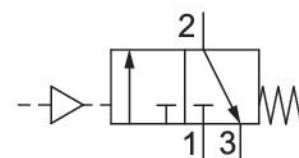


3/2-directional valve, pneumatically operated, Series NL6-SOV

0821300988

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 3/4 |
| 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. | 0821300988 |

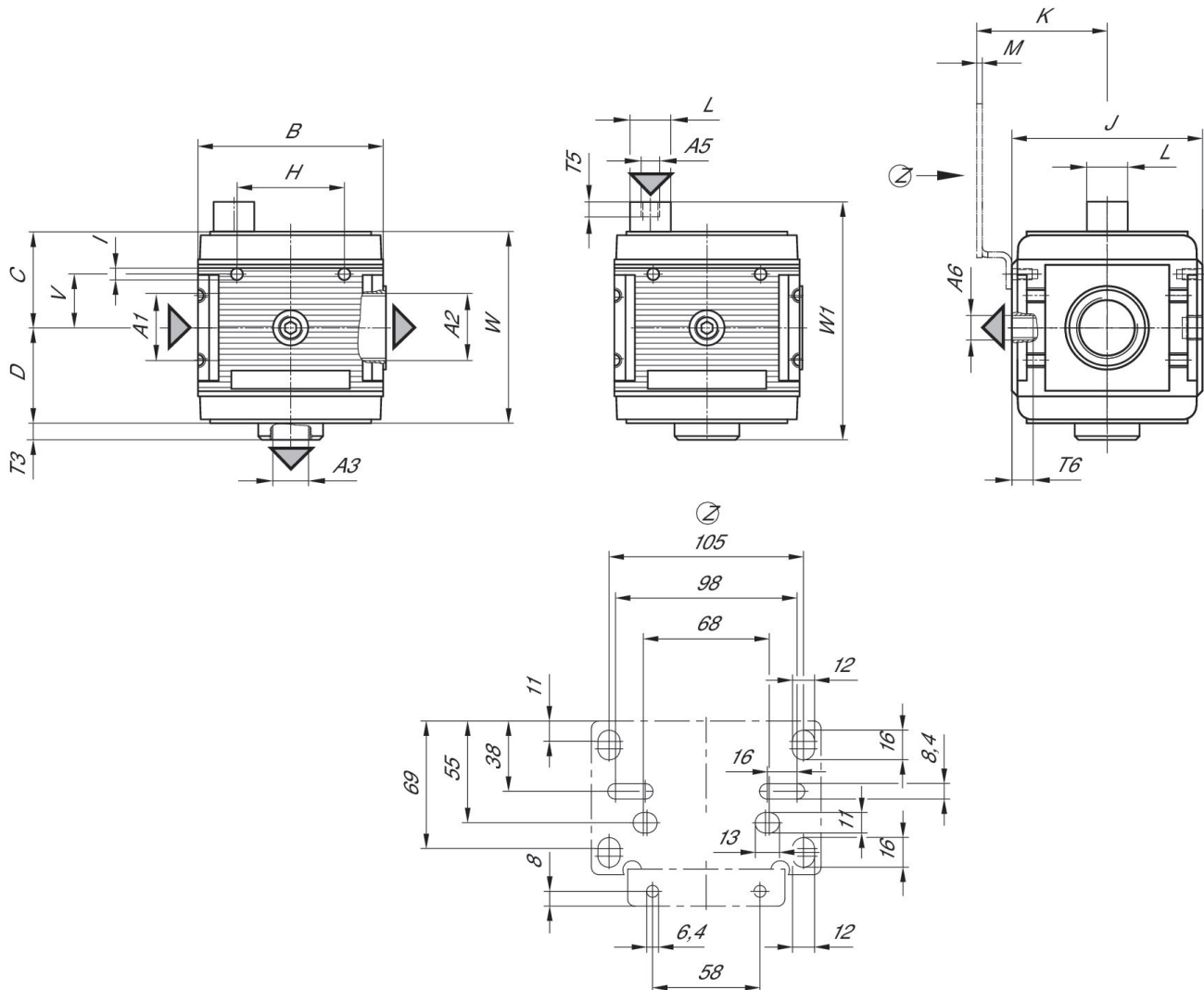
Technical information

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

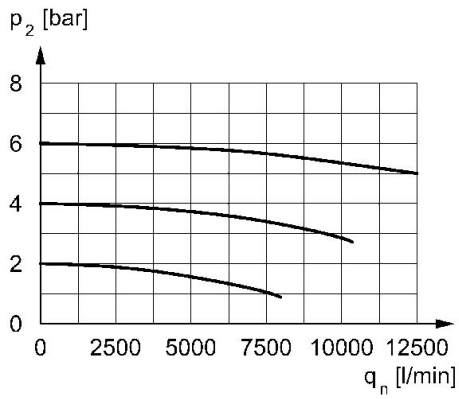
| Part No. | A1 | A2 | A3 | A5 | A6 | B | C | D | F |
|------------|-------|-------|-------|-------|-------|-----|----|------|-----|
| 0821300988 | G 3/4 | G 3/4 | G 1/2 | G 1/8 | G 1/4 | 100 | 52 | 50.5 | 9.5 |
| 0821300989 | G 1 | G 1 | G 1/2 | G 1/8 | G 1/4 | 100 | 52 | 50.5 | 9.5 |

| 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