

Filling unit, pneumatically operated, Series NL2-SSU

- Compressed air connection G 1/4
- Pipe connection
- suitable for ATEX



Version	Poppet valve, Can be assembled into blocks
Pilot	internal
Sealing principle	Soft sealing
Certificates	suitable for ATEX
Working pressure min./max.	0 ... 16 bar
Control pressure min./max.	2,5 ... 16 bar
Ambient temperature min./max.	-10 ... 60 °C
Medium temperature min./max.	-10 ... 60 °C
Medium	Compressed air Neutral gases
Max. particle size	5 µm
Oil content of compressed air	0 ... 1 mg/m ³
Weight	0,58 kg

Technical data

Part No.	Port	Exhaust	Flow		
			Qn 1→2	Qn 2→3	
0821300940	G 1/4	G 1/4	900 l/min	450 l/min	1)
0821300945	G 1/4	G 1/4	900 l/min	450 l/min	2)

Technical information

2) Suitable for use in Ex zones 1, 2, 21, 22. Filling with fixed diaphragm.

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

Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids dangerous, jerky cylinder movements.

Suitable for use in Ex zones 1, 2, 21, 22

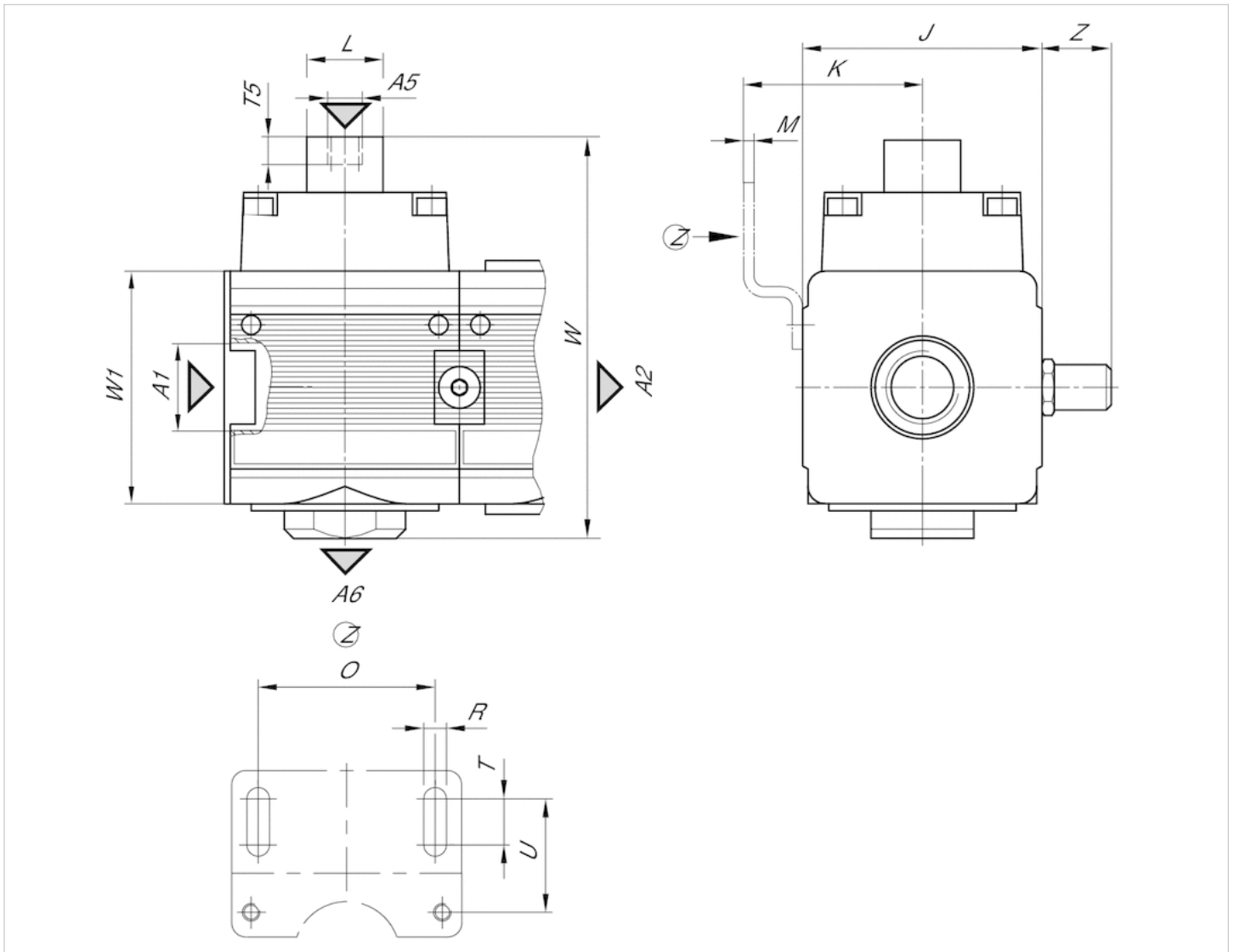
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

Technical information

Material	
Housing	Die cast zinc
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc

Dimensions

Dimensions



A1 = input
A2 = output
A5 = control pressure connection
A6 = ventilation port

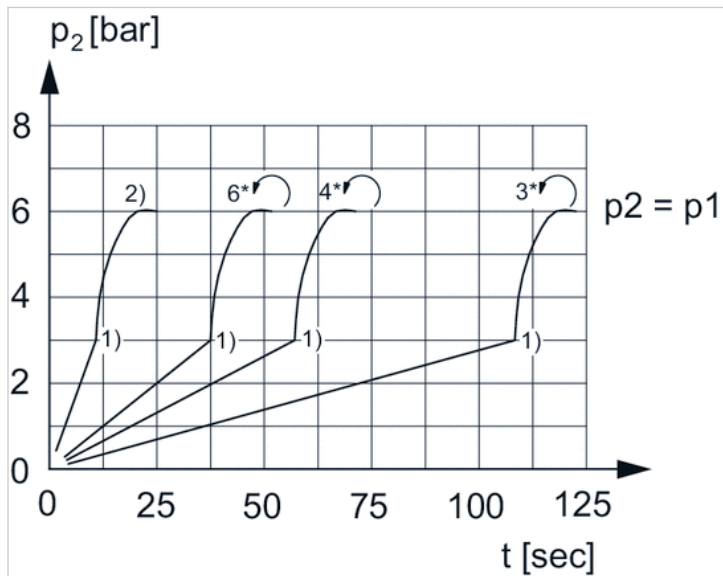
Dimensions in mm

A1	A2	A5	A6		J	K	L	M	O	R	T	T5	U	W	W1	Z
G 1/4	G 1/4	G 1/8	G 1/4	2)	47	43.5	22	3	38	5.4	8	9.5	27.5	96	52	-
G 1/4	G 1/4	G 1/8	G 1/4	1)	47	43.5	22	3	38	5.4	8	9.5	27.5	96	52	20

- 1) adjustable filling
- 2) Filling with fixed diaphragm

Diagrams

Secondary pressure while filling



p1 = working pressure

p2 = secondary pressure

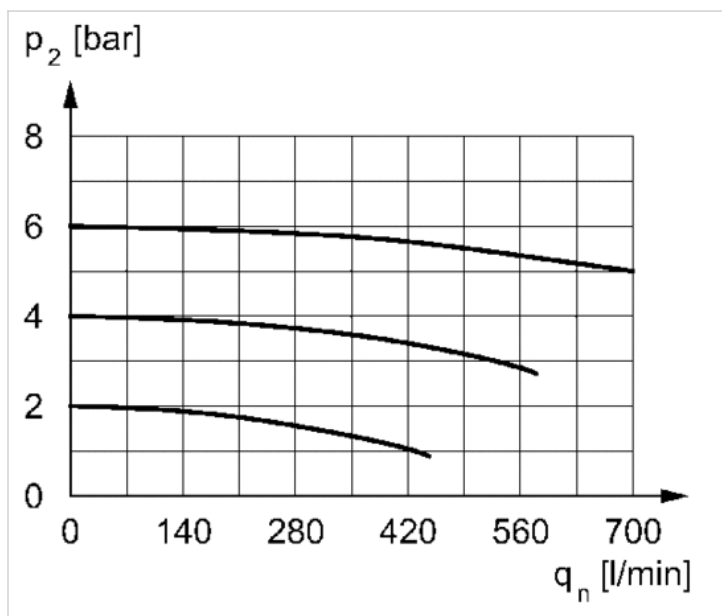
t = filling time, adjustable via adjustment screw (throttle)

1) Switching point: adjustable filling time, fixed change-over pressure $\approx 0.5 \times p1$ (50%)

2) Throttle fully opened

* Adjustment screw rotations

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow