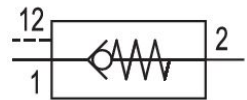


AVENTICS Series NR02 Non-return valves

AVENTICS Series NR02, thanks to an array of connection options, the NR non-return valves can be screwed in separately and are also suitable for direct installation in piping. NR02 non-return valves are pneumatically pilot operated.



Technical data

Industry	Industrial
Type	Poppet valve
Mounting	thread-in
Compressed air connection 1	G 1/8
Compressed air connection type 1	Internal thread
Compressed air connection 2	G 1/8
Compressed air connection type 2	External thread
Compressed air connection 12	G 1/8
Nominal flow Qn 1 to 2	300 l/min
Min. working pressure	0.5 bar
Max. working pressure	10 bar
Min. ambient temperature	-20 °C
Max. ambient temperature	80 °C
Min. medium temperature	-20 °C
Max. medium temperature	80 °C
Medium	Compressed air
Weight	0.059 kg

Pilot-operated non-return valve, Series NR02

0821003050

Series
NR02

2024-01-24

Material

Housing material

Brass

Surface housing

nickel-plated

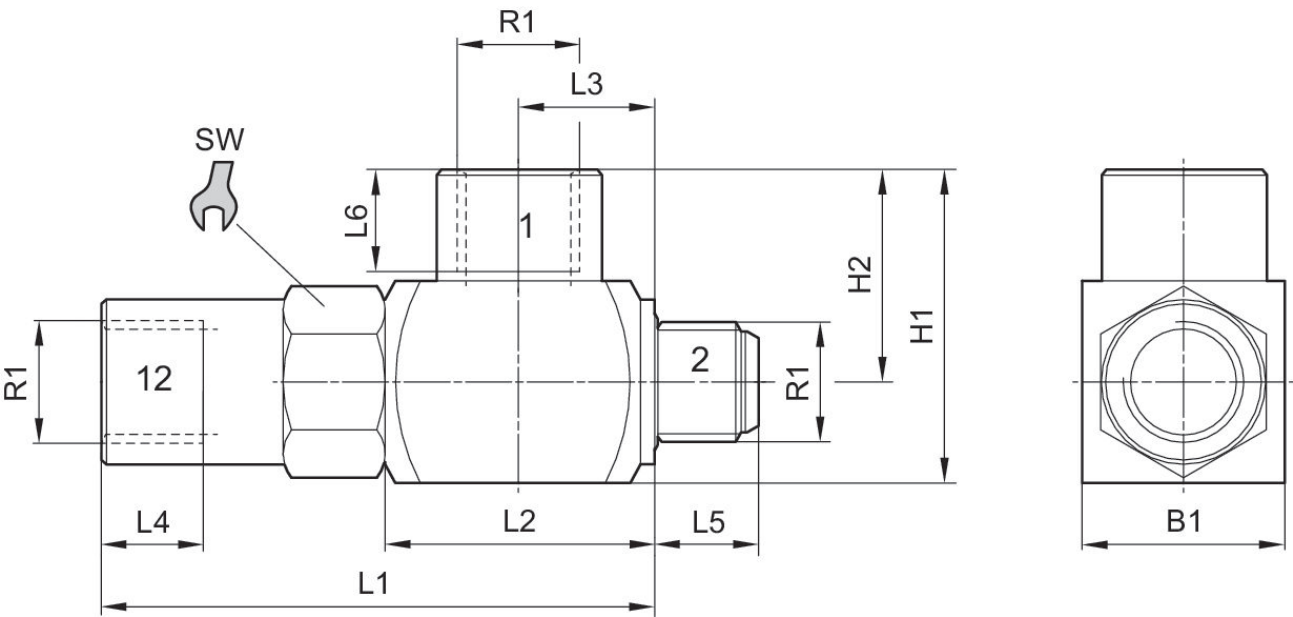
Seal material

Acrylonitrile butadiene rubber

Part No.

0821003050

Dimensions



	R1	L1	L2	L3	L4	L5	L6	H1	H2
0821003050	G 1/8	50.5	25.4	12.7	8	7.5	8	24.5	16
0821003051	G 1/4	59.6	29	14.5	12	11.4	12	34	23

	B1	SW
0821003050	17	15
0821003051	22	18

Pilot-operated non-return valve, Series NR02

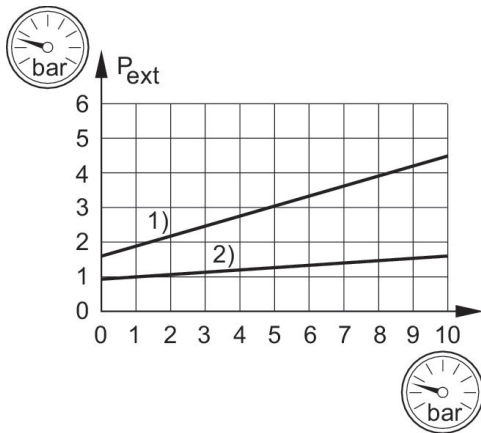
0821003050

Series
NR02

2024-01-24

Flow diagram

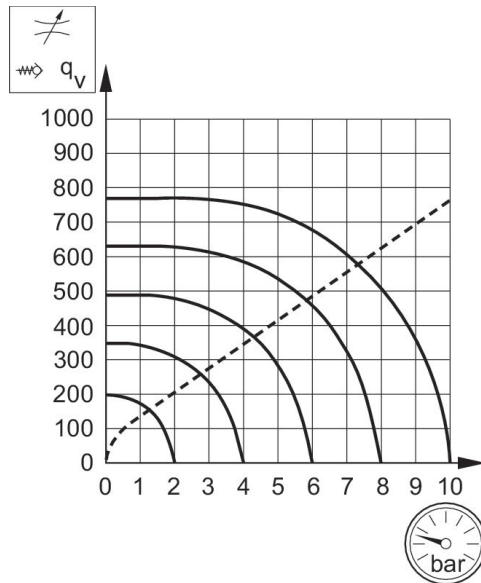
Fig. 2



P_{ext} = control pressure
1) switch on 2) switch off

Flow diagram

Fig. 1



q_v = Flow