

2.5 Check valve type B

Check valves are a type of non-return valve. They block the oil flow in one direction and open in the opposite direction. In the closed state they have zero leakage.

The check valve type B is available in different housing forms and is suitable for direct in-line installation.

The check valve type B is suitable for usage as a foot valve for a pump suction line due to the low opening pressure.

Features and benefits:

- Flow up to 160 l/min
- Pipe installation

Intended applications:

- General hydraulic systems



Nomenclature:	Check valve
Design:	Individual valve for in-line installation
p_{max}:	500 bar
Q_{max}:	160 lpm

Design and order coding example

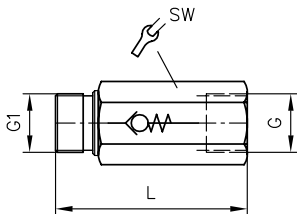
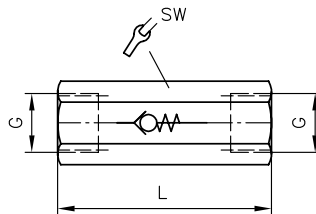
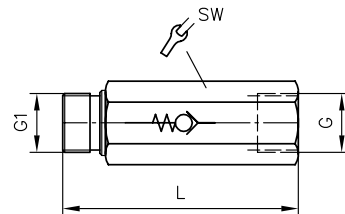
B 1 - 2

Basic type, with housing, size Check valve type B, version with housing 1 to 3, size 1 to 7

Additional versions:

- Open-up pressure 3 bar

Function
B

General parameters and dimensions
B 1

B 2

B 3


Basic type	Size	Q _{max} [lpm]	p _{max} [bar]	Ports		Dimensions		m [kg]
				G	G1	L [mm]	SW = a/f	
B 1 B 2 B 3	-1	15	500	G 1/4	G 1/4 A	50 ... 60	SW 19	0.11
	-2	20		G 3/8	G 3/8 A	58 ... 67	SW 24	0.16
	-3	30		G 1/2	G 1/2 A	60 ... 66	SW 27	0.19
	-4	45		G 3/4	G 3/4 A	70 ... 78	SW 36	0.36
	-5	75		G 1	G 1 A	94 ... 114	SW 41	0.65
	-6	120		G 1 1/4	G 1 1/4 A	110 ... 130	SW 55	1.3
	-7	160		G 1 1/2	G 1 1/2 A	115 ... 136	SW 60	1.5

Associated technical data sheets:

- Check valves, type B: [D 1191](#)

Similar products:

- Check valves type RK, RB, RC, RE, ER: [Page 232](#)