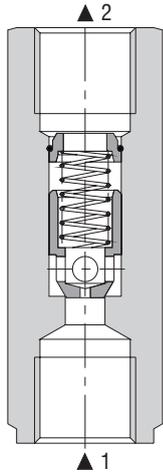


Check Valve with One-Way Throttling, Poppet Type

VJS3

Size 06, 10 • Q_{max} 60 l/min (15.9 GPM) • p_{max} 320 bar (4600 PSI)

Model G1, M1

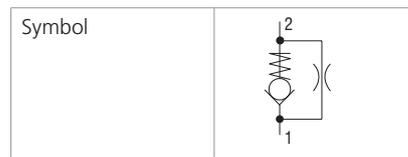


Technical Features

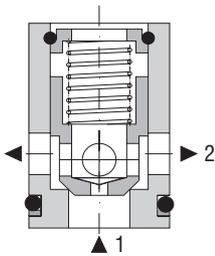
- › Check valve, one-way throttling, poppet type, guided in-line mounted or slip-in cartridge
- › Hardened precision parts
- › Sharp-edged steel seats for dirt-tolerant performance
- › Wide range of orifice diameters available
- › Optional bias spring ranges for back-pressure control
- › High flow capacity
- › In the standard version, the surface of the valves for in-line mounting is zinc-coated for 240 h protection acc. to ISO 9227. Slip-in cartridges (Model 03) are without surface treatment.

Functional Description

An in-line or slip-in hydraulic check valve including a by-pass throttling orifice. The valve has a poppet which is closed by spring until sufficient pressure is applied at port 1 to open flow to port 2. In the direction from port 2 to 1 the flow is restricted by the orifice.



Model 03



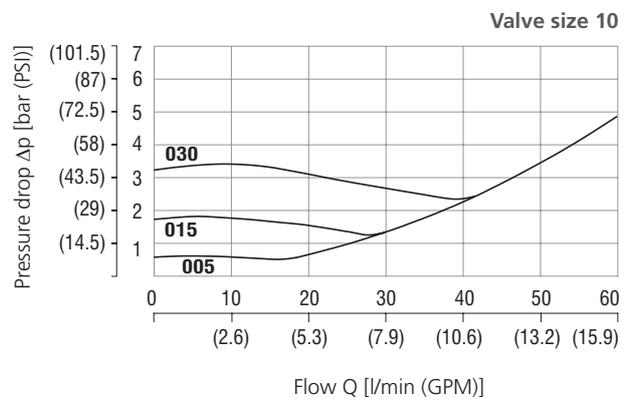
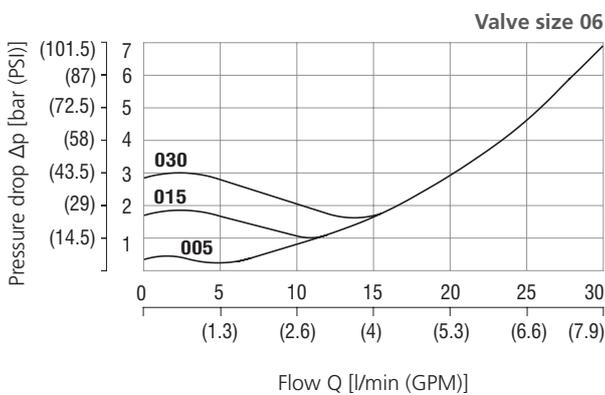
Technical Data

Valve size		06		10	
Max. flow	l/min (GPM)	30 (7.9)		60 (15.9)	
Max. operating pressure	bar (PSI)	320 (4640)			
Cracking pressure	bar (PSI)	0.5 (7.25)	1.5 (21.8)	3.0 (43.5)	5.0 (72.5)
Fluid temperature range (NBR)	°C (°F)	-30 +100 (-22 ... +212)			
Weight	models G1, M1	0.11 (0.24)		0.34 (0.75)	
	model 03	0.05 (0.11)		0.09 (0.20)	

	Datasheet	Type
General information	GI_0060	Products and operating conditions
Cavity details	SMT_0019	
Spare parts	SP_8010	

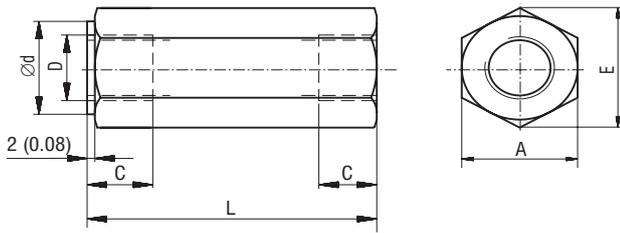
Characteristics measured at $v = 32 \text{ mm}^2/\text{s}$ (156 SUS)

Pressure drop related to flow rate



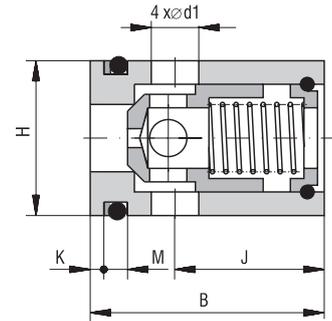
Dimensions in millimeters (inches)

Models G1, M1



Valve size	06	10
Dimensions	millimeters (inches)	
A	19 (0.75)	30 (1.18)
E	22 (0.87)	34.5 (1.36)
L	58 (2.28)	72 (2.83)
C	12 (0.47)	14 (0.55)
D	G1	G 1/4
	M1	M14x1.5
Ød	19 (0.75)	30 (1.18)

Model 03



Valve size	06	10
Dimensions	millimeters (inches)	
Ød1	3.5 (0.14)	5.5 (0.22)
H	Ø 20 (0.79) f8	Ø 25 (0.98) f8
J	18 (0.71)	20 (0.79)
K	1.6 (0.06)	1.6 (0.06)
M	4.4+0.2 (0.17+0.008)	4.4+0.2 (0.17+0.008)
B	27-0.2 (1.06-0.008)	32-0.2 (1.26-0.008)

Ordering Code

VJS3- [] - [] - [] - [] - []

Check valve with one-way throttling, poppet type

Valve size
06 **06**
10 **10**

Cracking pressure
without spring **000**
0.5 bar (7.3 PSI) **005**
1.5 bar (21.8 PSI) **015**
3.0 bar (43.5 PSI) **030**
5.0 bar (72.5 PSI) **050**

Surface treatment
No designation without surface treatment (model 03)
A zinc-coated (ZnCr-3), ISO 9227 (240 h) (models G1, M1)

Orifice diameter
050 0.50 mm (0.02 inch)
080 0.80 mm (0.03 inch)
100 1 mm (0.04 inch)
150 1.5 mm (0.06 inch)

Installation
G1 in-line, with G threads
M1 in-line, with metric threads
03 slip-in cartridge (only size 06)