



CHECK VALVE NOV- ... -E

- NG 6, 10
- Up to 350 bar [5 076 PSI]
- Up to 50 l/min [13.2 GPM]
- Threaded connections to ISO 1179 (BSPP/Gas), ISO 11926 (UNF).
- Flow shut-off in one service line.
- Direct in-line mounting.



NOV-6-E; NOV-10-E

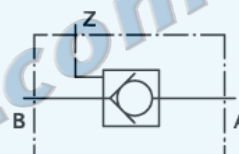
Direct operated valves

Operation

Pilot operated check valves type NOV enable the hydraulic fluid flow in the service lines to be automatically shut-off and made free, respectively. Free flow direction is from the valve port B to port A. In the opposite direction is blocked for the hydraulic fluid flow. Free flow from port A to port B is achieved by means of pressure in port Z.

To assure zero leakage there is necessary to discharge ports B and Z towards T in the zero position of the directional valve.

Hydraulic symbol



Features

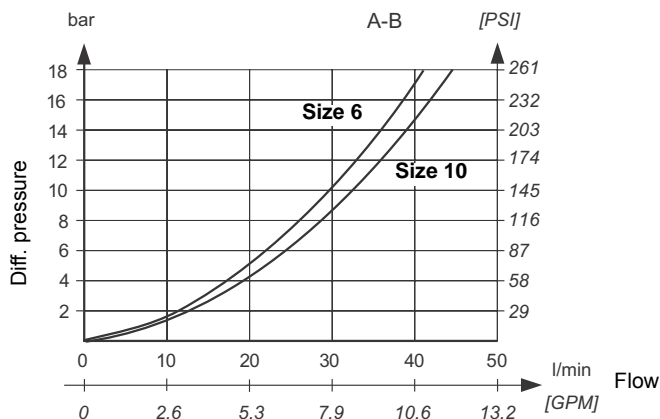
Size		6	10
Flow rate	l/min [GPM]	35 [9.2]	50 [13.2]
Operating pressure	Bar [PSI]	350 [5 076]	
Cracking pressure (B-A)	Bar [PSI]	0.5 [7.2]	
Area ratio		1:4	
Oil temperature range	°C [°F]	-20 to +70 [-4 to +158]	
Viscosity range	mm ² /s [SUS]	15 to 380 [69,5 to 1.760]	
Filtration		NAS 1638 8	
Mass	kg [lbs]	0,5 [1.10]	0,65 [1.43]

Pilot operated valves

ΔP-Q Performance curves

Δp - Q Performance curves of the flow in direction A → B (check valve pilot opened).

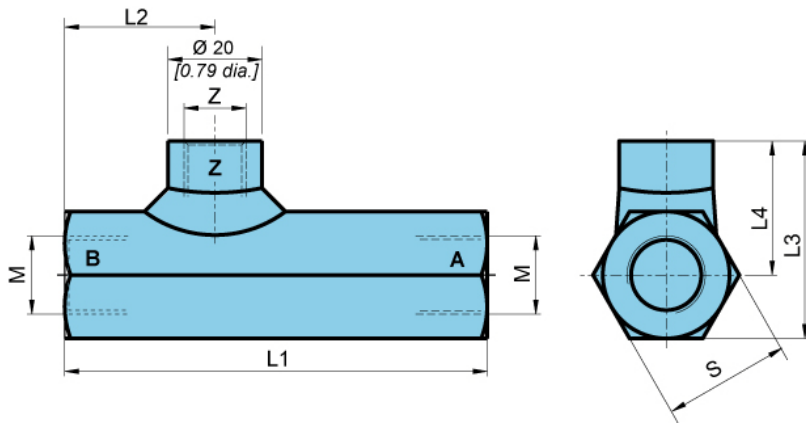
Measured at 50C [122F] and viscosity of 32 mm²/s [148 SUS].



Counterbalance valves



Dimensions



Size	6	10
L1	90 [3.54]	94 [3.70]
L2	32 [1.26]	34 [1.34]
L3	42 [1.65]	45 [1.77]
L4	28,5 [1.12]	30 [1.18]
S	27 [1.06]	30 [1.18]
M	G3/8	G1/2
Z	G1/4	G1/4

Model code

NOV - - E - - - - *

Size

Size 6	6
Size 10	10

Symbol

Threaded connections

	Port A, B		Port Z	
Size 6	G3/8	3/8	G1/4	1/4
	9/16-18 UNF-2B	SAE 6	1/2-20 UNF-2B	SAE 5
Size 10	G1/2	1/2	G1/4	1/4
	7/8-14 UNF-2B	SAE 10	1/2-20 UNF-2B	SAE 5

Seal type

NBR seals for mineral oil HL, HLP to DIN 51524	No designation
FPM seals for HETG, HEES, HEPG to VDMA 24568 and ISO 15380	E

Special requirements to be briefly specified