



## CHECK VALVE KVM-NOV-6

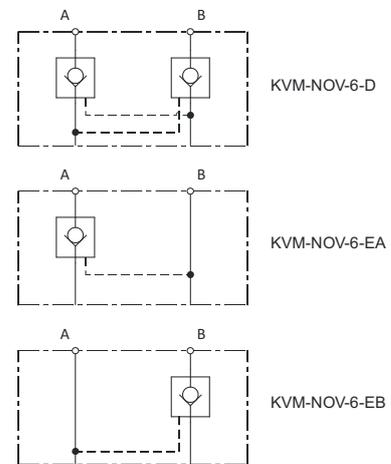
- Up to 350 bar [5 076 PSI]
- Up to 40 l/min [10,6 GPM]
- Flow shut-off in both or one service line.
- For vertical stacking on KVM directional valves.



### Operation

Pilot operated check valves type KVM-NOV-6 enables the hydraulic fluid flow in the service lines to be automatically shut off and made free, respectively. Free flow direction is always from the valve side to the ports side. In the opposite direction the valve is blocked for the hydraulic fluid flow. Free flow in port A in direction from ports to valve side is achieved by means of pressure in port B and vice versa. To assure zero leakage there is necessary to discharge ports A and B towards port T in the zero position of the directional valve.

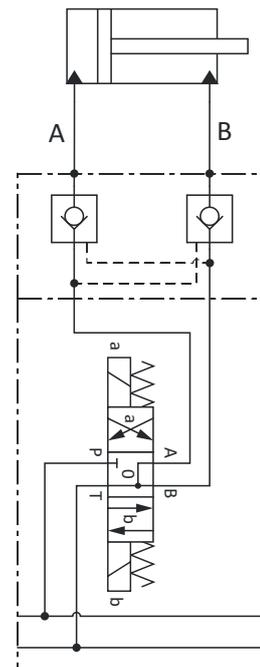
### Hydraulic symbols



### Features

Size	6	
Flow rate	l/min [GPM]	40 [10.5]
Operating pressure	bar [PSI]	350 [5 076]
Cracking pressure	bar [PSI]	1 [14.5]
Area ratio		1:3,9
Oil temperature range	°C [°F]	-20 to +70 [-4 to +158]
Viscosity range	mm <sup>2</sup> /s [SUS]	15 to 380 [69.5 to 1760]
Filtration	ISO 4406: 1999	19/17/14
Mass	kg [lbs]	1,4 [3.0]

### Mounting example



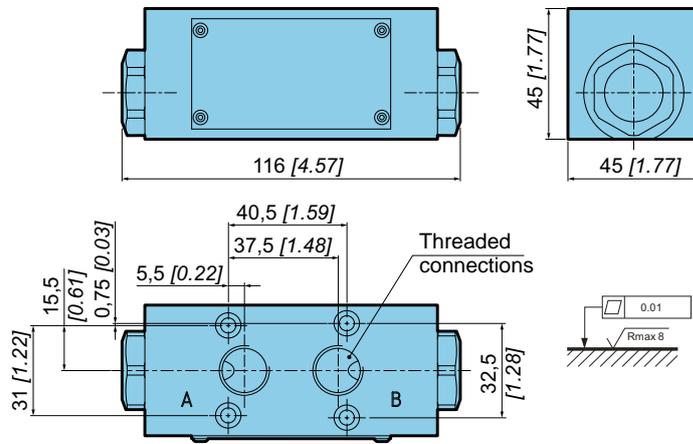
Mechanically operated

Hydraulically operated

Electrically operated

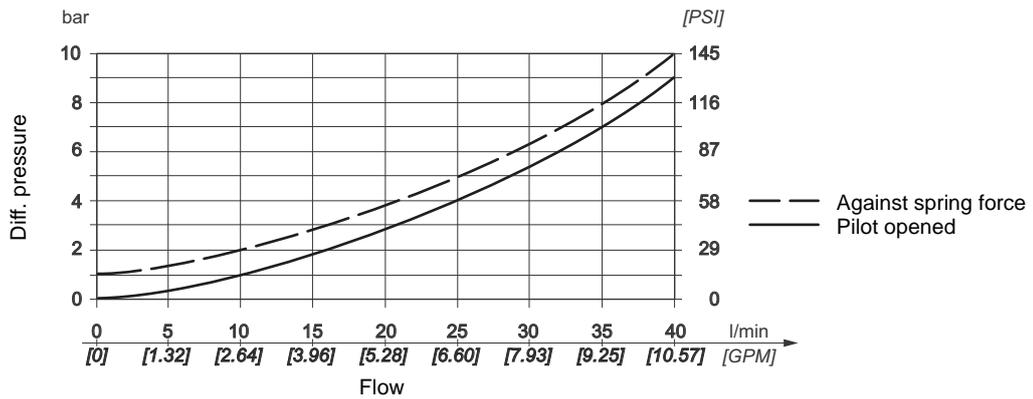


Dimensions



ΔP-Q Performance curves

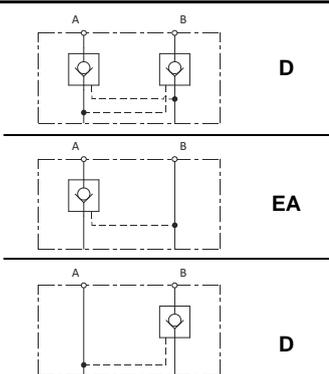
Measured at 50C [122F]  
and viscosity of 32 mm<sup>2</sup>/s [148 SUS].



Model code

**K V M - N O V - 6 - [ ] - [ ] - [ ] - \***

Symbol



Threaded connections

M16 x 1,5 (ISO 9974-1)	No designation
G3/8 (ISO 1179-1)	3/8
9/16-18 UNF-2B (ISO 11926-1)	SAE6

Special requirements to be briefly specified

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