



4/3 WAY DIRECTIONAL VALVES KV

- NG 10
- Up to 350 bar [5 076 PSI]
- Up to 80 L/min [21.1 GPM]
- Up to 130 L/min [34.3 GPM]
- Direct hydraulically operation.
- Connecting dimensions to ISO 4401.
- Threaded connections to ISO 1179.

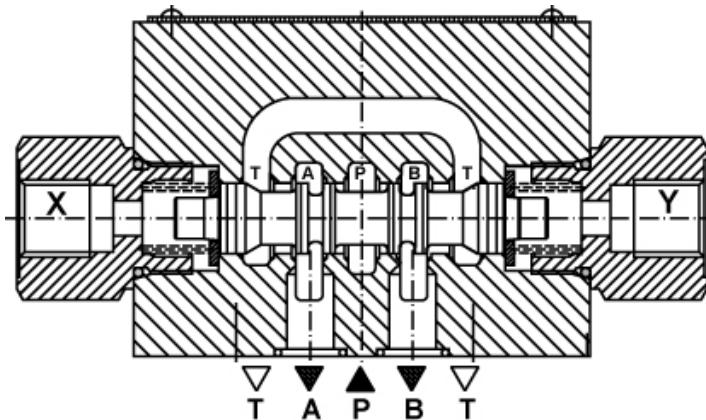


KV-4/3-5KO-10-H

Operation

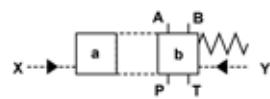
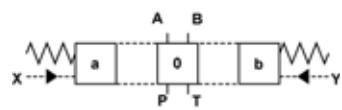
The KV-...-H is a hydraulically controlled 4/3 way directional control valve. The valve is operated by the pilots ports X and Y via the connection of an external pilot pipe direct on the valve body.

The minimum pilot pressure must be ensured for all operating conditions of the directional valve.



Hydraulic symbols

Spool types



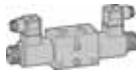
Features

Size	10	
Flow rate	L/min [GPM]	130 [34.3]
Operating pressure	Ports A, B, P Ports X, Y, T	bar [PSI] bar [PSI]
Pilot supply pressure min.	bar [PSI]	10 [145]
Viscosity range	mm ² /s [SUS]	15 to 380 [69.5 to 1 760]
Oil temperature range	°C [°F]	-20 to +70 [-4 to 158]
Filtration	NAS 1638	8
Mass	kg [lb]	4,0 [8.8]
Mounting position	Optional	

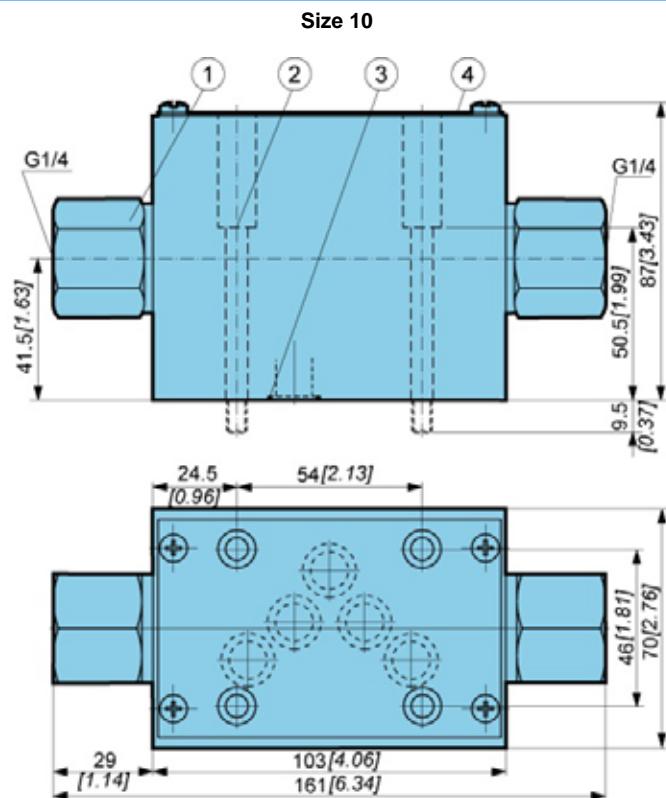
Mechanically operated

Hydraulically operated

Electrically operated

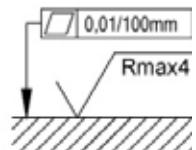


Dimensions



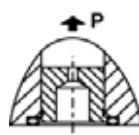
1. Threaded connection X (Y) - G1/4
2. Fixing screws 4 pcs M6x60 to ISO 4762-10.9 (by special order) Required tightening torque $M_d = 15\text{Nm}$
3. O-ring 12.42 x 1.78
4. Nameplate.

Required quality of the mating surface.



Cartridge throttle

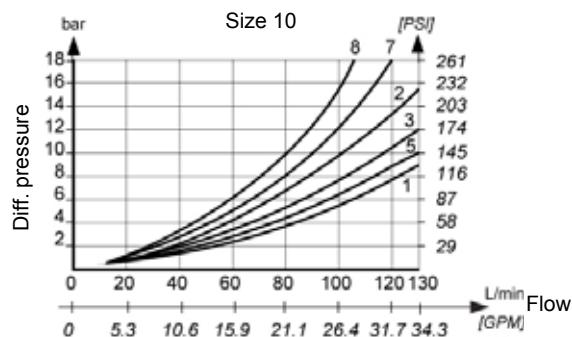
If flow rates greater than permissible occur during change-over, a cartridge throttle must be fitted into P-line of the directional valve.





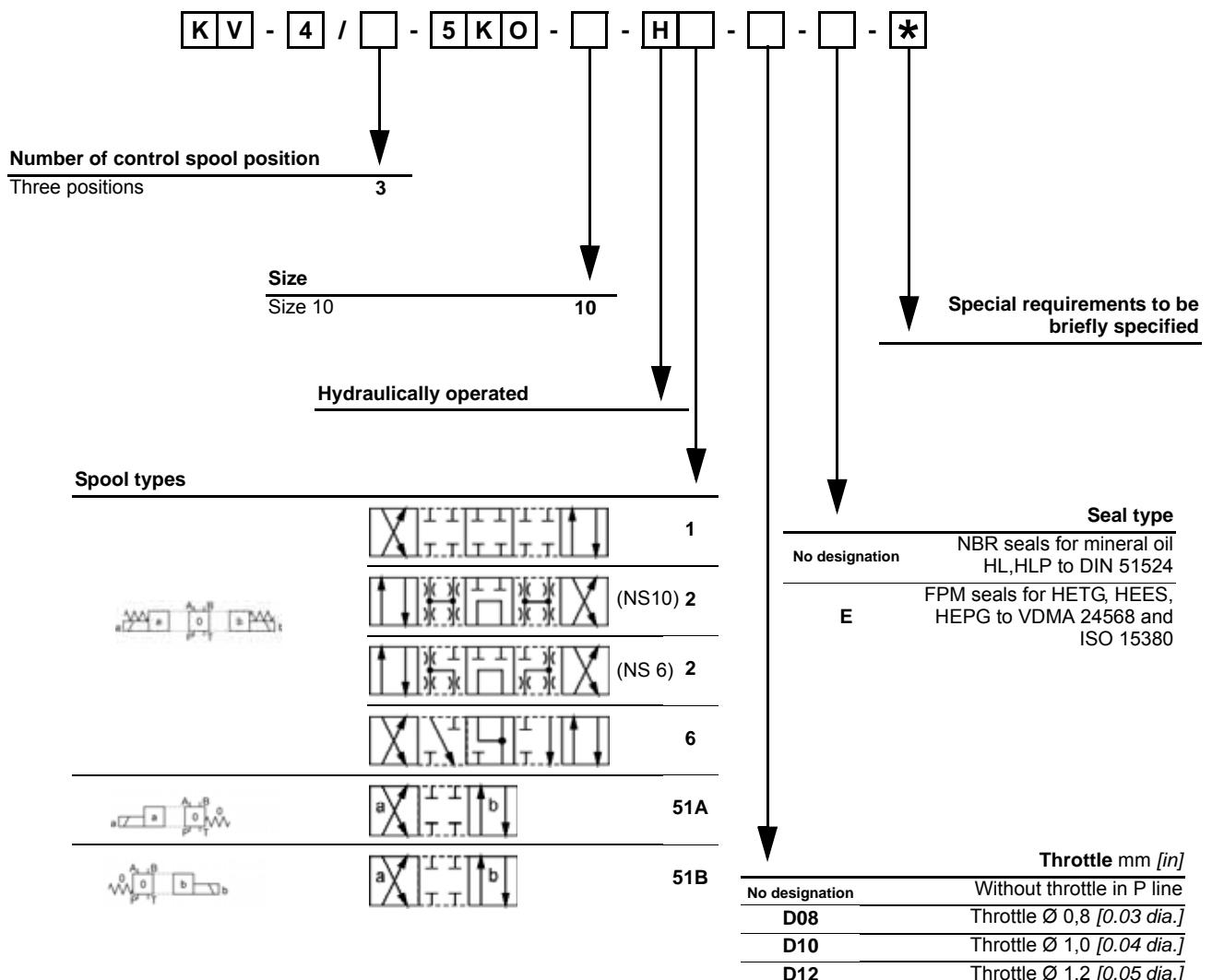
ΔP-Q Performance curves

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



Spool	P-A	P-B	A-T	B-T	P-T
1	1	1	5	5	-
2	3	3	2	7	8
6	1	1	2	2	-
51A	1	1	3	3	-

Model code



Mechanically operated

Hydraulically operated

Electrically operated