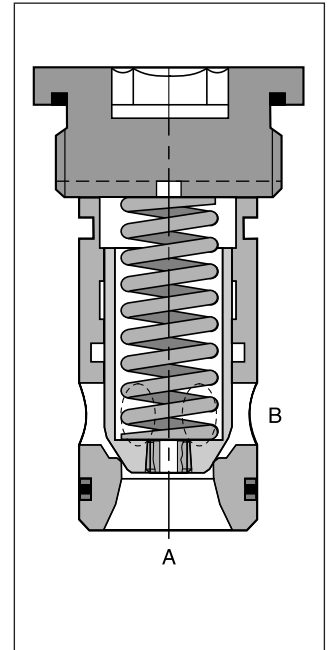
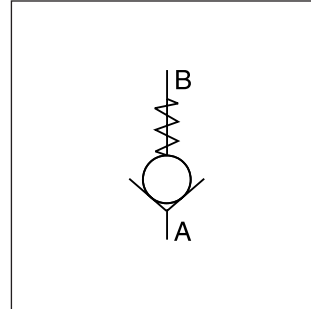


The check valves series SPZBE are slip-in cartridge valves. The function unit is fixed inside the manifold by a hexagonal plug with slot.

The design is based on CE series with same poppet and sleeve. The different mounting cavity has to be considered.

Features

- Little space required
- Leak-free from port B to A
- 4 different opening pressures



Technical data

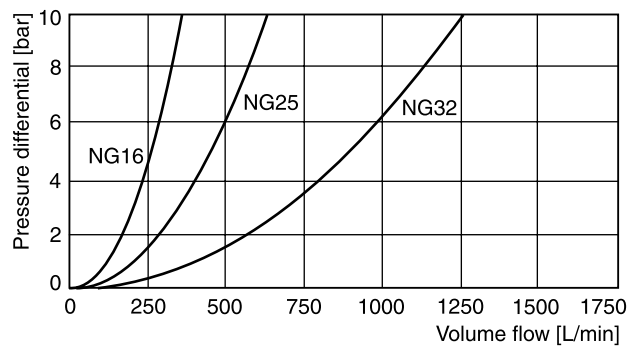
Design			Threaded cartridge valve		
Mounting position			Optional		
Ambient temperature			-40 ... +60		
Nominal size			NG16	NG25	NG32
Weight			0.25	0.5	1.2
Hydraulic			Port A to B		
Flow direction			Hydraulic oil as per DIN 51 524 ... 536		
Fluid					
Viscosity	recommended	[cSt] [mm²/s]	30 ... 80		
	permitted	[cSt] [mm²/s]	20 ... 380		
Fluid temperature			-20 ... +60		
Filtration			ISO 4406 (1999); 18/16/13		
Nominal pressure			350		
Opening pressure			0.1; 0.5; 1.6 and 4.0		
Flow			250	450	900

Ordering code

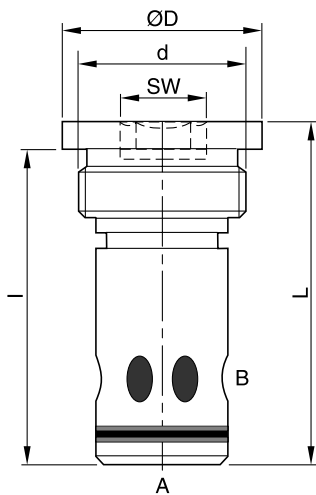
Seal <table border="1"> <tr><td>Code</td><td>Seal</td></tr> <tr><td>omit</td><td>NBR</td></tr> <tr><td>V</td><td>FPM</td></tr> </table>		Code	Seal	omit	NBR	V	FPM	Check valve SP		Flow direction A to B Z		Design series, screwed cover BE		Factory norm, poppet, direct operated 1010		Slip-in valve E		Valve size <table border="1"> <tr><td>Code</td><td>Size</td></tr> <tr><td>16</td><td>NG16</td></tr> <tr><td>25</td><td>NG25</td></tr> <tr><td>32</td><td>NG32</td></tr> </table>		Code	Size	16	NG16	25	NG25	32	NG32	Opening pressure <table border="1"> <tr><td>Code</td><td>Pressure [bar]</td></tr> <tr><td>L</td><td>0.1</td></tr> <tr><td>N</td><td>0.5</td></tr> <tr><td>S</td><td>1.6</td></tr> <tr><td>U</td><td>4.0</td></tr> </table>		Code	Pressure [bar]	L	0.1	N	0.5	S	1.6	U	4.0
Code	Seal																																						
omit	NBR																																						
V	FPM																																						
Code	Size																																						
16	NG16																																						
25	NG25																																						
32	NG32																																						
Code	Pressure [bar]																																						
L	0.1																																						
N	0.5																																						
S	1.6																																						
U	4.0																																						

Bold letters =
Short-term availability

Performance curves



Dimensions



Dimensions	NG16	NG25	NG32
D	40	55	72
L	72.5	89	109.5
d	M33x2	G1½"	G2"
I	66	80.5	99.5
SW	17	24	32

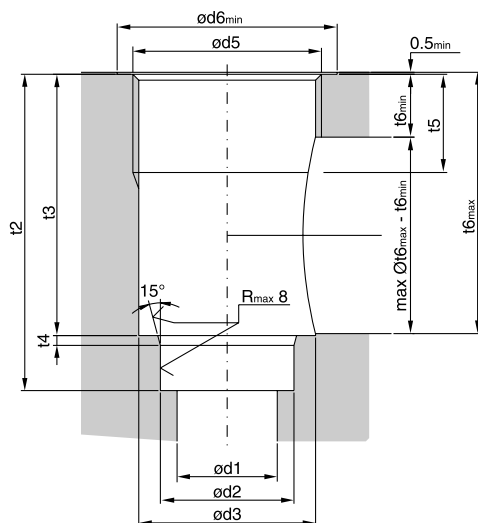
Seal kits

NG	NBR seals	FPM seals
16	SK-SPZBE10E16	SK-SPZBE10E16V
25	SK-SPZBE10E25	SK-SPZBE10E25V
32	SK-SPZBE10E32	SK-SPZBE10E32V

Springs

Spring Type	Ordering Number		
	NG16	NG25	NG32
L 0.1 bar	45051368	45051375	45051376
N 0.5 bar	45051369	45051374	45051377
S 1.6 bar	45051370	45051372	45051378
U 4.0 bar	45051371	45051373	45051379

Mounting cavity



Size	NG16	NG25	NG32
d1	18	25.5	36
d2 ^{H7}	25	34	45
d3	31	45	57
d5	M33x2	G1½"	G2"
d6 _{min}	41	56	73
t2 ^{+0.1}	66	80.5	99.5
t3	53	66.5	84.5
t4	2	2.5	2.5
t5	21	25	30
t6 _{min}	16	16	24
t6 _{max}	52.5	66	84
t7	6.5	6.5	10