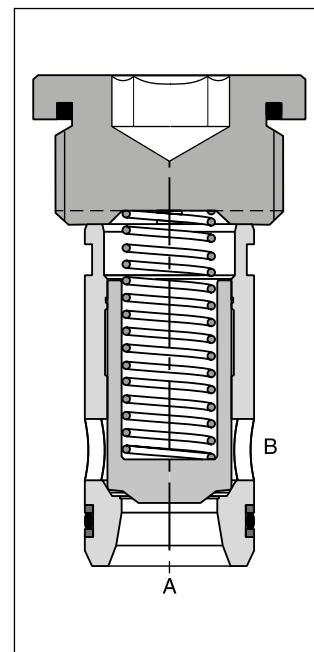
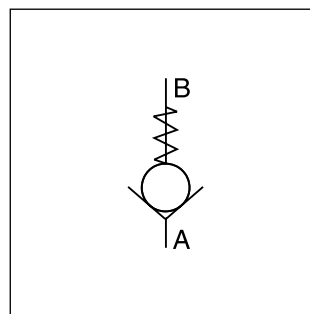


The check valves series SPZBE are slip-in cartridge valves. The function unit is fixed inside the manifold by a hexagonal plug with slot.

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



Ordering code

Seal	SP Check valve	Z Flow direction A to B	BE Design series, screwed cover	1010 Factory norm, poppet, direct operated	E Slip-in valve	Valve size	Opening pressure
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Code	Seal
omit	NBR
V	FPM

Code	Size
16	NG16
25	NG25
32	NG32

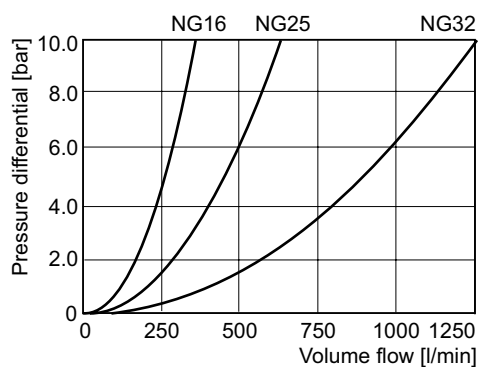
Code	Pressure [bar]
L	0.1
N	0.5
S	1.6
U	4.0

Bold letters =
Short-term availability

6

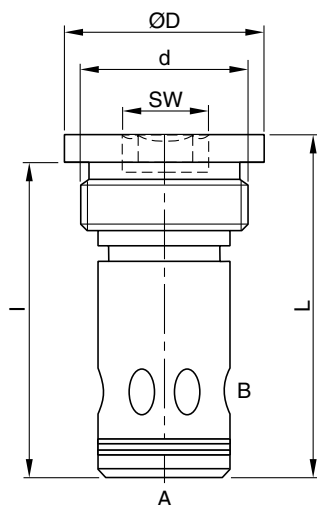
Technical data

General				
Design		Threaded cartridge valve		
Mounting position		Unrestricted		
Ambient temperature [°C]		-20 ... +60		
MTTF _D value [years]		150		
Nominal size		NG16	NG25	NG32
Weight [kg]		0.25	0.5	1.2
Hydraulic				
Flow direction		Port A to B		
Fluid		Hydraulic oil according to DIN 51524		
Fluid temperature [°C]		-20...+70 (NBR: -25...+70)		
Viscosity, permitted	[cSt]/[mm²/s]	20 ... 400		
	recommended [cSt]/[mm²/s]	30 ... 80		
Filtration		ISO 4406; 18/16/13		
Nominal pressure [bar]		350		
Opening pressure [bar]		0.1; 0.5; 1.6 and 4.0		
Flow at Δp= 5 bar [l/min]		250	450	900

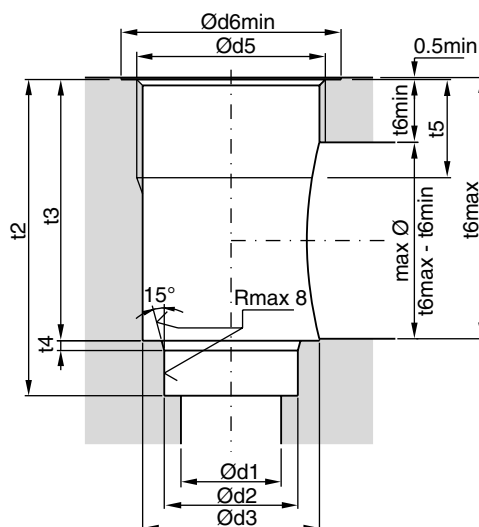
$\Delta p/Q$ performance curves

All characteristic curves measured with HLP46 at 50 °C.

Dimensions



Mounting cavity



Dimensions	NG16	NG25	NG32
D	40	55	72
L	72.5	89	109.5
d	M33x2	G1½"	G2"
d4	—	—	—
I	66	80.5	99.5
SW	17	24	32
Tightening torque ¹⁾ [Nm] ± 15 %	225	450	550

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

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

¹⁾ Please note the material specification for tightening torque in chapter 12, "accessories".