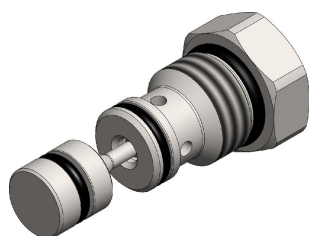


SPC5.S10 VALVE SERIES

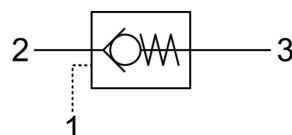
Hybrid SAE10 Cartridge - 350 bar

Direct acting check valve

Pilot piston to open



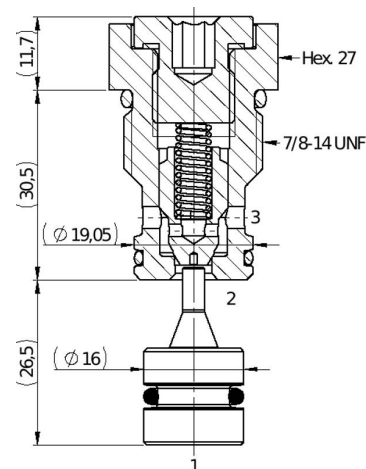
HYDRAULIC SYMBOL



DESCRIPTION

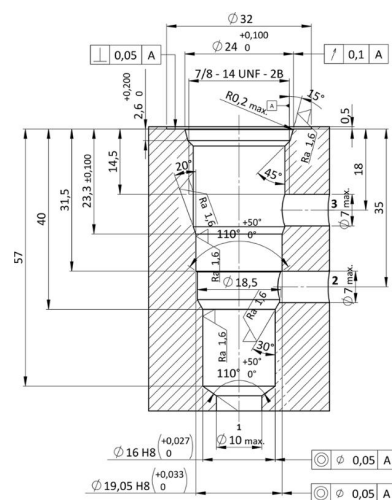
Normally closed, single pilot check valve. Cartridge is closed until sufficient pressure is applied on port 2 to reach the bias spring setting, lift the poppet and allow free flow to 3. The valve is normally closed from 3 to 2. When sufficient pressure is applied on port 1, the pilot piston lifts the poppet from its seat and allows flow from 3 to 2. Very limited leakage in the check condition.

CROSS SECTION

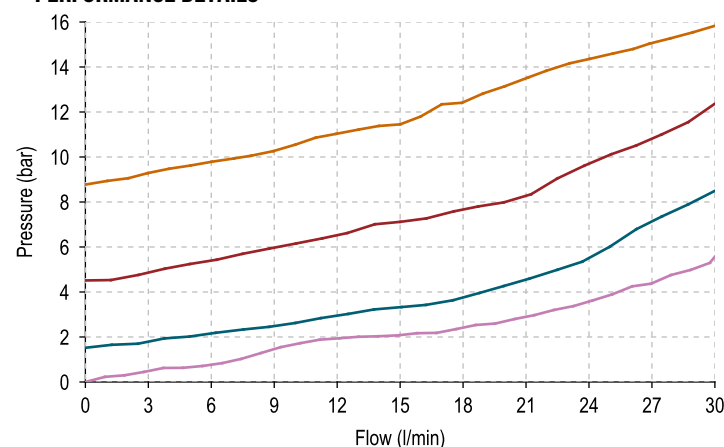


CAVITY

VH070



PERFORMANCE DETAILS




NOTE

The performance chart illustrates flow handling capacity for significant spring options. p/Q curves are recorded at T_{Oil} = 40°C and 46 cSt.

LEGEND

- Spring N
— Spring B
— Spring G
— 3ys2 Piloted

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	350 bar
MAXIMUM FLOW	30 l/min
MAXIMUM INTERNAL LEAKAGE	0,10 cm ³ / min @ 10 bar 0,10 cm ³ / min @ 350 bar
PILOT RATIO	7:1
EXTERNAL COMPONENT TREATMENT	Zn/Fe - standard (96h) Zn/Ni (720h) (Upon customer request)
O-RING TEMPERATURE RANGE	-30° C to 110° C (standard sealing NBR - BUNA - N) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
OIL TEMPERATURE RANGE	-30° C to 110° C
FLUIDS	Mineral - based or synthetics with lubricating properties
VISCOSITIES	7,4 to 420 cSt
FILTRATION	20/18/15 ISO 4406 (maximum filtration admitted)
ORIENTATION	No restrictions
INSTALLATION TORQUE	80-85 Nm  Hex.27
TECH. SPEC. FOR CHARACTERIZATION	see page 811
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.154 (standard sealing NBR-BUNA-N)
WEIGHT	0,137 kg

ORDERING CODE

S	P	C	5
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VALVE BASIC CODE

OPTIONS

5 = Standard configuration

4 = Without O-Ring on the pilot piston

S	1	0
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MARKING

0 = Standard factory marking.
Customized marking can be done
upon request.

—SIZE

7/8-14 UNF with Ø19,05 nose size

0	*
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0	0	0
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000 = Standard configuration.

BIAS SPRING OPTIONS

Spring model code	Cracking pressure (bar)
N	1,5
B	4,5
G	8.5