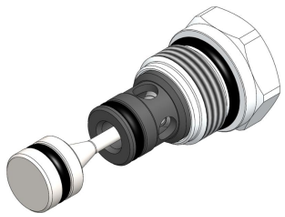
SPCO.S08 VALVE SERIES

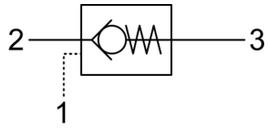
Hybrid SAE08 Cartridge - 420 bar

Direct acting check valve

Pilot piston to open



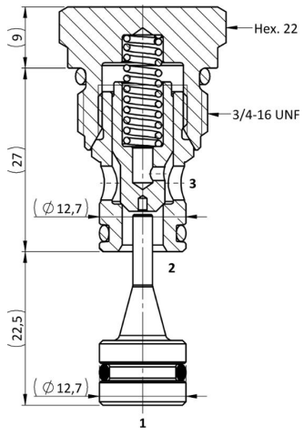
HYDRAULIC SYMBOL



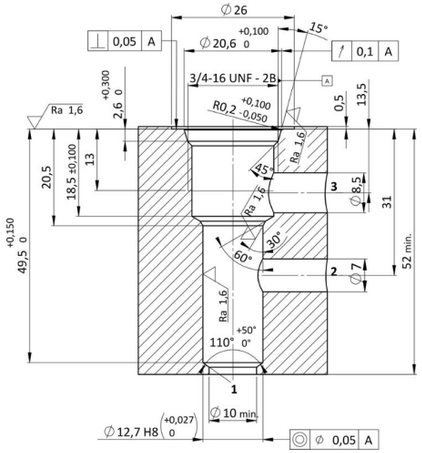
DESCRIPTION

Normally closed, dual 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 sufficent 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.

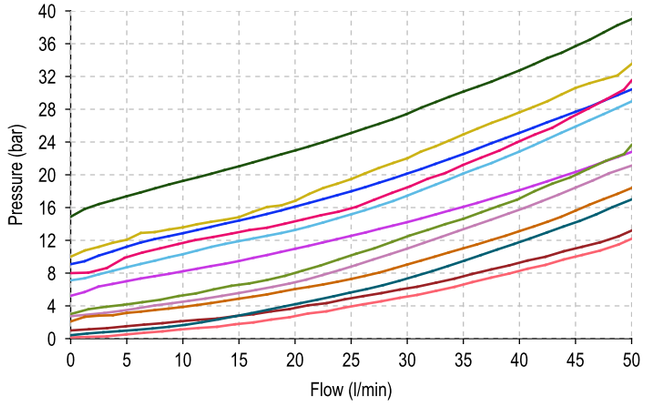
CROSS SECTION



CAVITY VH102



PERFORMANCE DETAILS



NOTE

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

LEGEND

- Spring Y
- Spring N
- Spring M
- Spring S
- Spring B
- Spring P
- Spring I
- Spring G
- Spring V
- Spring R
- Spring W
- 3vs2 Piloted

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	420 bar
MAXIMUM FLOW	50 l/min
MAXIMUM INTERNAL LEAKAGE	0,10 cm^3 / min @ 10 bar 0,10 cm^3 / min @ 420 bar
PILOT RATIO	4,5:1
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	40-45 Nm Hex.22
TECH. SPEC. FOR CHARACTERIZATION	see page 811
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.045 (standard sealing NBR-BUNA-N)
WEIGHT	0,068 kg

ORDERING CODE

S	P	C	0	·	S	0	8	·	0	*	·	0	0	0

VALVE BASIC CODE

OPTIONS

0 = Standard configuration

4 = Without O-Ring on the pilot piston

SPF0 = With standard filtration

SIZE

3/4-16 UNF with Ø12,7 nose size

MARKING

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

000 = Standard configuration.

BIAS SPRING OPTIONS

Spring model code	Cracking pressure (bar)	Spring model code	Cracking pressure (bar)
Y	0,5	G	8,0
N	1,0	V	9,0
M	2,0	R	10,0
S	2,5	W	15,0
B	3,0		
P	5,0		
I	7,0		

Specifications may change without notice.