

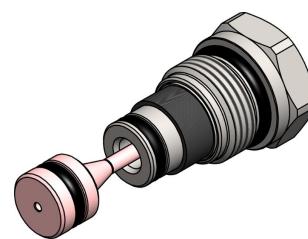
SPFO.S08 VALVE SERIES

Hybrid SAE08 Cartridge - 350 bar

Direct acting check valve

Pilot piston to open

With Filter

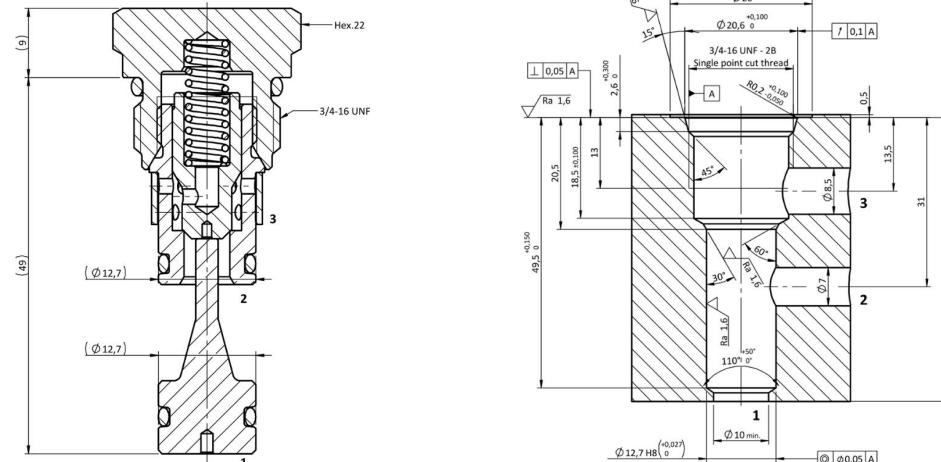


DESCRIPTION

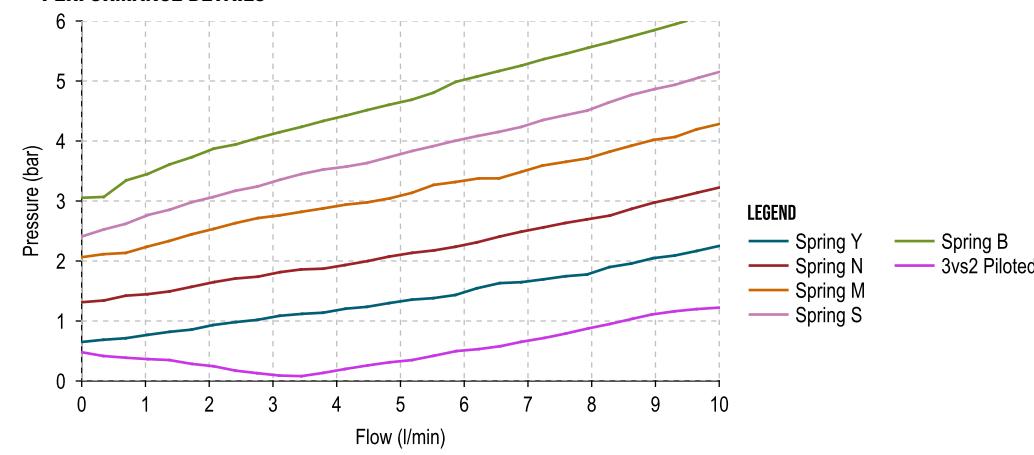
Normally closed, dual pilot check valve. Cartridge is closed until sufficient pressure is applied on port 2 to reach the bias spring setting, lift the poppet and allow free flow to 3. The valve is normally closed from 3 to 2. When sufficient pressure is applied on port 1, the pilot piston lifts the poppet from its seat and allows flow from 3 to 2. Very limited leakage in the check condition. The valve also has a filter in port 3, mesh size 280 um.

CROSS SECTION

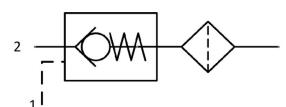
CAVITY
VH102



PERFORMANCE DETAILS



HYDRAULIC SYMBOL



TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	350 bar
MAXIMUM FLOW	10 l/min
MAXIMUM INTERNAL LEAKAGE	0,10 cm ³ / min @ 10 bar 0,10 cm ³ / min @ 350 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 223° 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
TECH. SPEC. FOR CHARACTERIZATION	see page 811
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.045 (standard NBR-BUNA-N) (standard sealing NBR-BUNA-N)
WEIGHT	0,067 kg

ORDERING CODE

S | P | F | 0

VALVE BASIC CODE

OPTIONS

4 = Without O-Ring on the pilot piston
0 = Standard configuration

S | 0 | 8

MARKING

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

0 | * | 0

000 = standard configuration

SIZE

3/4-16 UNF with Ø12,7 nose size

BIAS SPRING OPTIONS

Spring model code	Cracking pressure (bar)
N	1
M	2
B	3
Y	0,5
S	2,5

Specifications may change without notice.