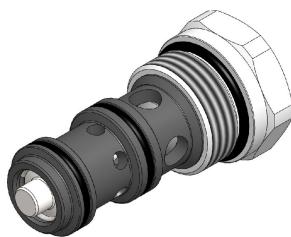


SPC4.M33 VALVE SERIES

METRIC Cartridge - 420 bar

Direct acting check valve

Pilot piston to open

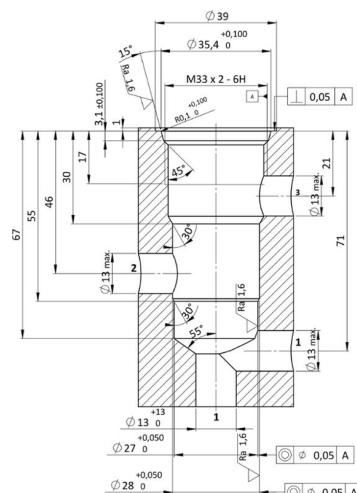
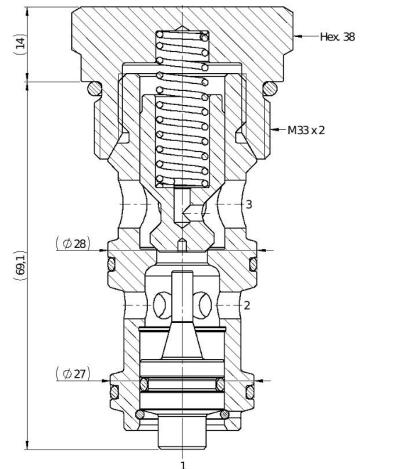


DESCRIPTION

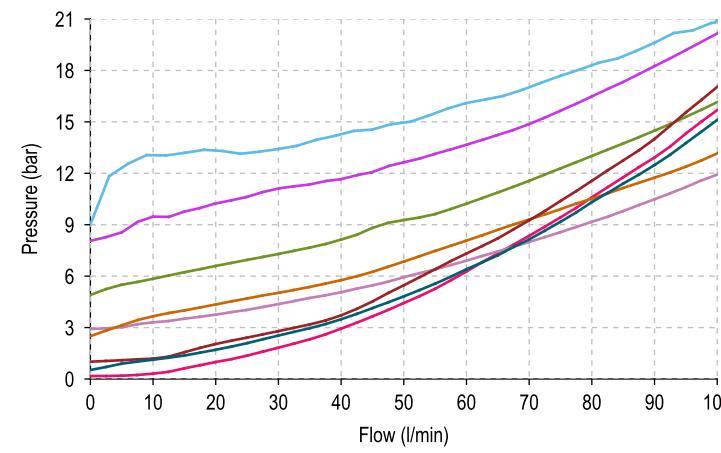
Cartridge style, normally closed, single pilot check valve. Cartridge is closed until sufficient pressure is applied on port 2 to reach the bias spring setting, lift the poppet and allow free flow to 3. The valve is normally closed from 3 to 2. When sufficient pressure is applied on port 1, the pilot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

CROSS SECTION

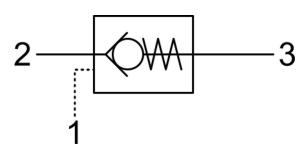
CAVITY
VH122



PERFORMANCE DETAILS



HYDRAULIC SYMBOL



TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	420 bar
MAXIMUM FLOW	100 l/min
MAXIMUM INTERNAL LEAKAGE	0,10 cm ³ / min @ 10 bar 0,10 cm ³ / min @ 420 bar
PILOT RATIO	2,8:1
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	150-160 Nm Hex.38
TECH. SPEC. FOR CHARACTERIZATION	see page 811
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.067 (standard sealing NBR-BUNA-N)
WEIGHT	0,338 kg

ORDERING CODE

S P C 4

VALVE BASIC CODE

OPTIONS

4 = Standard configuration

5 = Without O-Ring on the pilot piston

M 3 3

MARKING

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

0 0 *

SIZE

METRIC M33x2 with Ø28 and Ø27 nose sizes

0 0 0

000 = Standard configuration.

BIAS SPRING OPTIONS

Spring model code	Cracking pressure (bar)
Y	0,5
N	1,0
S	2,5
B	3,0
P	5,0
G	8,0
V	9,0

Specifications may change without notice.