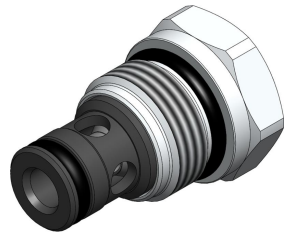
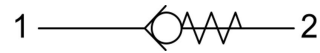


CVC5.S08 VALVE SERIES

SAE08 Cartridge - 420 bar
Direct acting - Poppet type



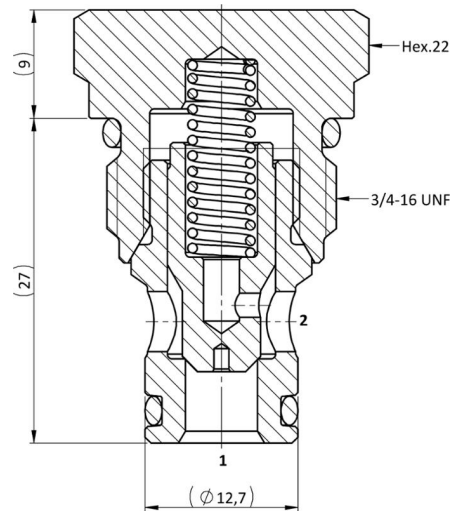
HYDRAULIC SYMBOL



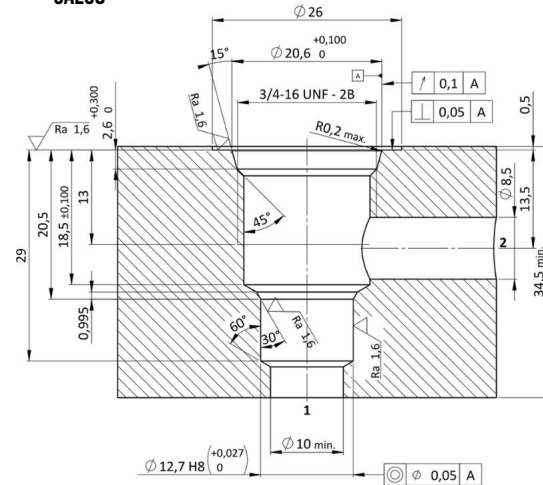
DESCRIPTION

A screw-in, cartridge style, direct acting, poppet type check valve. Main use is as a blocking or load-holding device. The CVC5.S08 allows flow passage from port 1 to 2: the cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at port 1 to open to 2. The flow is blocked in the opposite direction (2 to 1).

CROSS SECTION



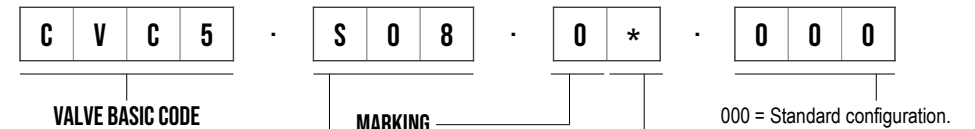
CAVITY SAE08



TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	420 bar
MAXIMUM FLOW	50 l/min
CRACKING PRESSURE	see table below
MAXIMUM INTERNAL LEAKAGE	0,10 cm ³ / min @ 10 bar 0,10 cm ³ / min @ 420 bar
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 689
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.030 (standard sealing NBR-BUNA-N)
WEIGHT	0,060 kg

ORDERING CODE

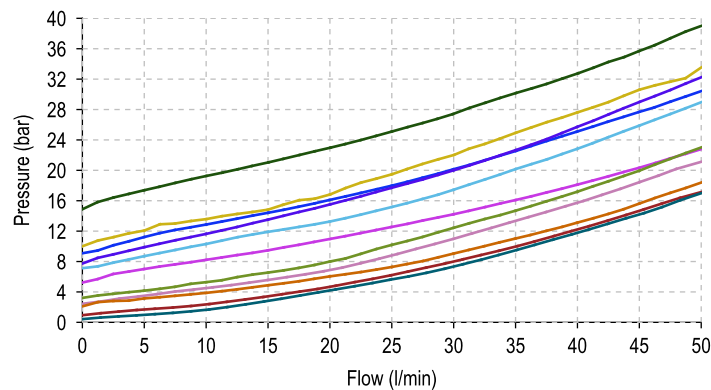


SIZE
3/4-16 UNF with Ø12,7 nose size

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

000 = Standard configuration.

PERFORMANCE DETAILS



NOTE
The performance chart illustrates flow handling capacity for significant spring bias 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

BIAS SPRING OPTIONS

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

Specifications may change without notice.