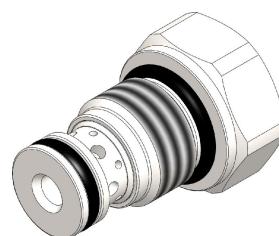


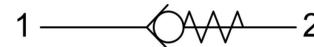
# CVC0.S06 VALVE SERIES

SAE06 Cartridge - 420 bar

Direct acting - Poppet type



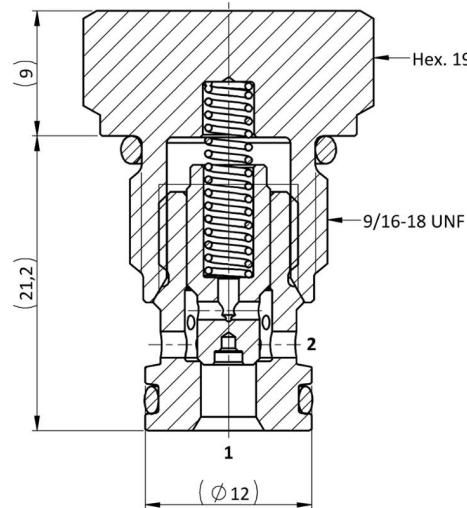
## HYDRAULIC SYMBOL



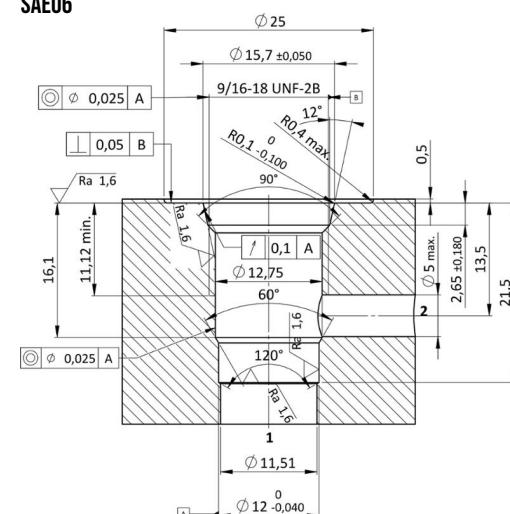
## DESCRIPTION

A screw-in, cartridge style, direct acting, poppet type check valve. Main use is as a blocking or load-holding device. The CVC0.S06 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).

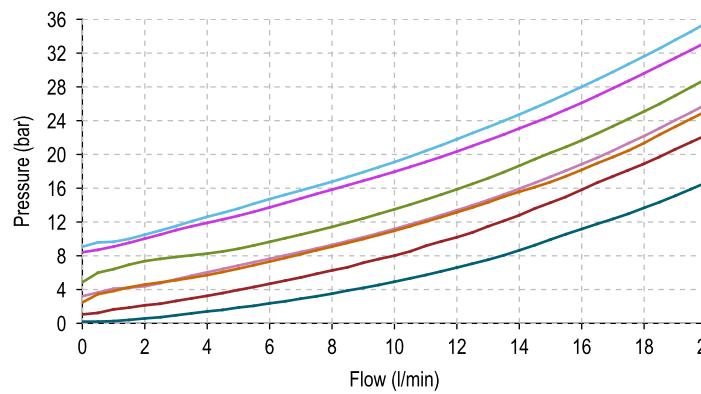
## CROSS SECTION



## CAVITY SAE06



## PERFORMANCE DETAILS



### NOTE

The performance chart illustrates flow handling capacity for significant spring bias options. p/Q curves are recorded at  $T_{oil} = 40^\circ\text{C}$  and 46 cSt.

### LEGEND

- Spring Y — Spring P
- Spring N — Spring G
- Spring S — Spring V
- Spring P — Spring B

## TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	420 bar
MAXIMUM FLOW	20 l/min
CRACKING PRESSURE	see table below
MAXIMUM INTERNAL LEAKAGE	0,10 cm <sup>3</sup> / min @ 10 bar 0,10 cm <sup>3</sup> / 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	25-30 Nm
TECH. SPEC. FOR CHARACTERIZATION	see page 811
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.118 (standard sealing NBR-BUNA-N)
WEIGHT	0,038 kg

## ORDERING CODE

C V C 0

VALVE BASIC CODE

S 0 6

0 \*

0 0 0

000 = Standard configuration.

### SIZE

9/16-18 UNF with Ø12 nose size

### MARKING

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

## 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