

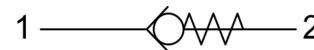
CVC0.S10 VALVE SERIES

SAE10 Cartridge - 420 bar

Direct acting - Poppet type



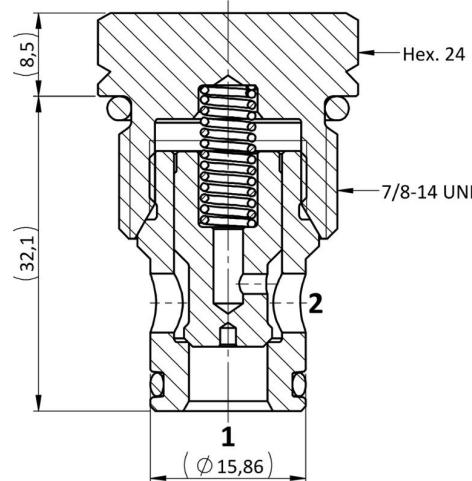
HYDRAULIC SYMBOL



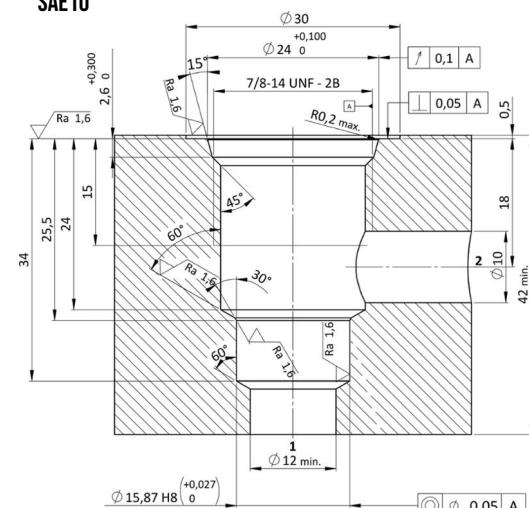
DESCRIPTION

A screw-in, cartridge style, direct acting, poppet type check valve. Main use is as a blocking or load-holding device. The CVC0.S10 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).

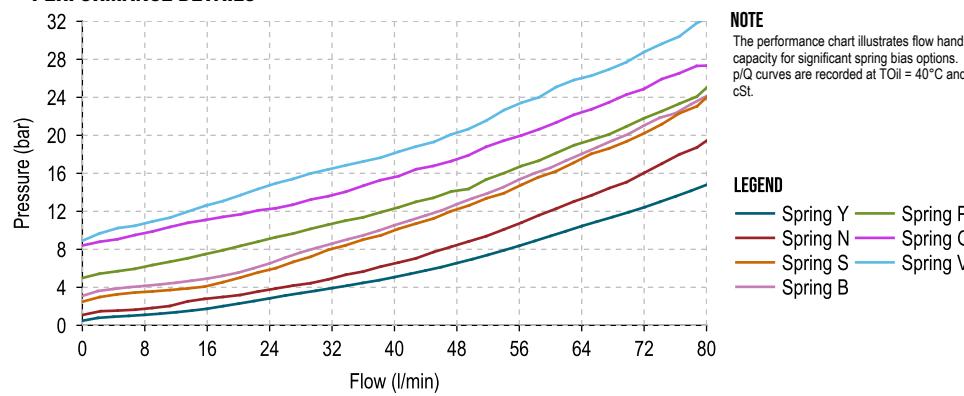
CROSS SECTION



CAVITY SAE10



PERFORMANCE DETAILS



TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	420 bar
MAXIMUM FLOW	80 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	55-65 Nm
TECH. SPEC. FOR CHARACTERIZATION	see page 811
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	SK.032 (standard sealing NBR-BUNA-N)
WEIGHT	0,090 kg

ORDERING CODE

C | V | C | 0

VALVE BASIC CODE

S | 1 | 0

0 | * | 0

0 | 0 | 0

000 = Standard configuration.

SIZE

7/8-14 UNF with Ø15,86 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