

CVC0.S10 Valve Series

SAE10 Cartridge - 420 bar

Direct acting - Poppet Type

Description

A screw-in, cartridge style, direct acting, poppet type check valve. 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).

Technical Features

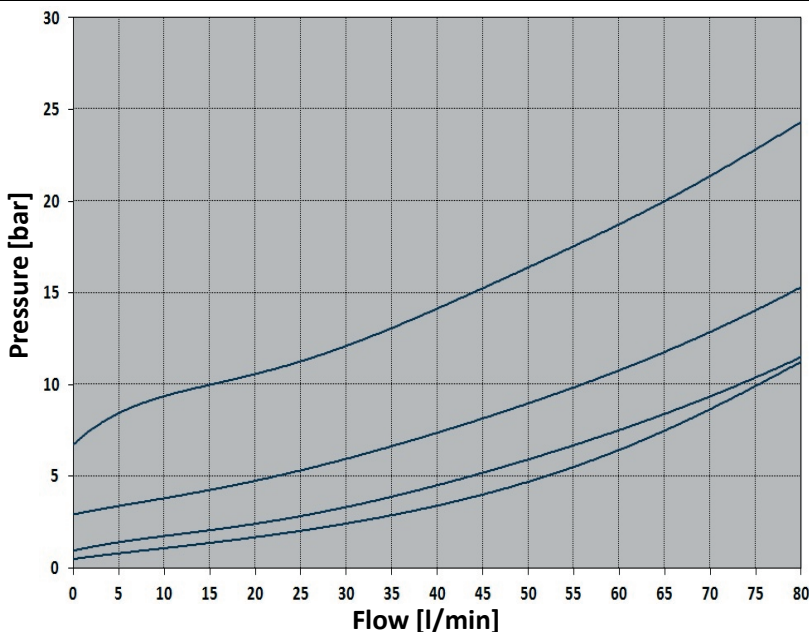
All external surfaces are zinc plated and corrosion-proof.
All valve parts are made of high strength steel. Poppet is hardened and ground to guarantee minimal wear and to extend service life.
Compact size.
Optional bias springs for back-pressure application flexibility.
Industry common cavity.



Symbols



Performance Details

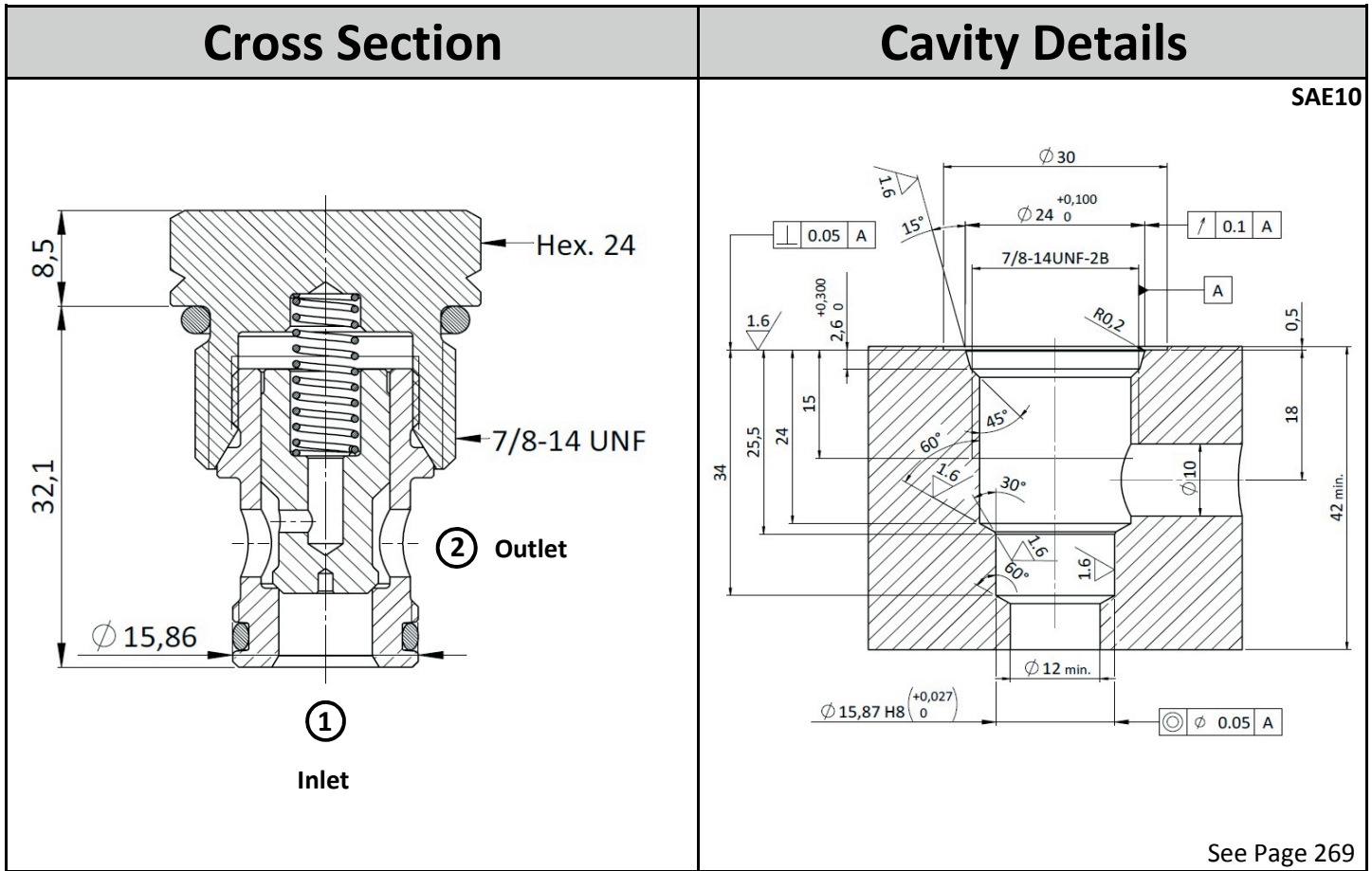


Technical Data

Maximum operating pressure: 420 bar
Maximum flow: 80 l/min
Internal leakage: 0.10 cc/min max @ 420 bar
Temperature: -30°C to 110°C
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt
Orientation: no restrictions
Installation torque: 55-65 Nm
Seal kit code: SK.032
Weight: 0.090 kg

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

P/Q curves are recorded at $T_{oil} = 40^{\circ}C$ and 46 cSt



Ordering Code

C V C 0 . **S 1 0** . **0 *** . **0 0 0**

↓
Valve Basic Code

←
Cavity
S10 = UNF - SAE10
Metric cavity available upon request

→
Bias Spring (see table below for available options)

→
Marking 0 = Standard factory marking
Customized markings can be done upon request

→
000 = standard configuration

Bias Spring Options			
Spring Model Code	Cracking pressure [bar]	Spring Model Code	Cracking pressure [bar]
Y	0.5	P	5
N	1.0	G	8
S	2.5	V	9
B	3		

Specifications may change without notice.