

CVC0.S08 Valve Series

SAE08 Cartridge - 420 bar

Direct acting - Poppet Type

Description

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

The CVC0.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).

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.

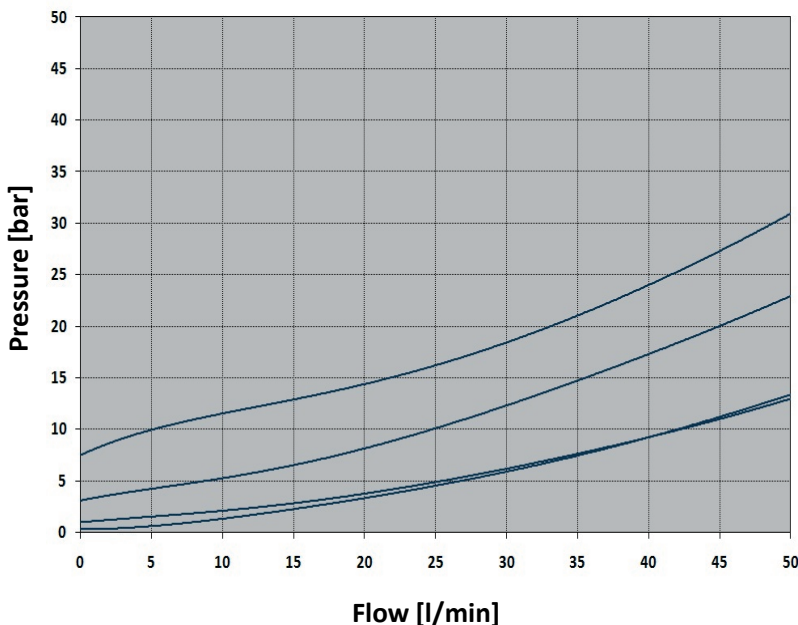


vis hydraulics

Symbols



Performance Details



Technical Data

Maximum operating pressure: 420 bar

Maximum flow: 50 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

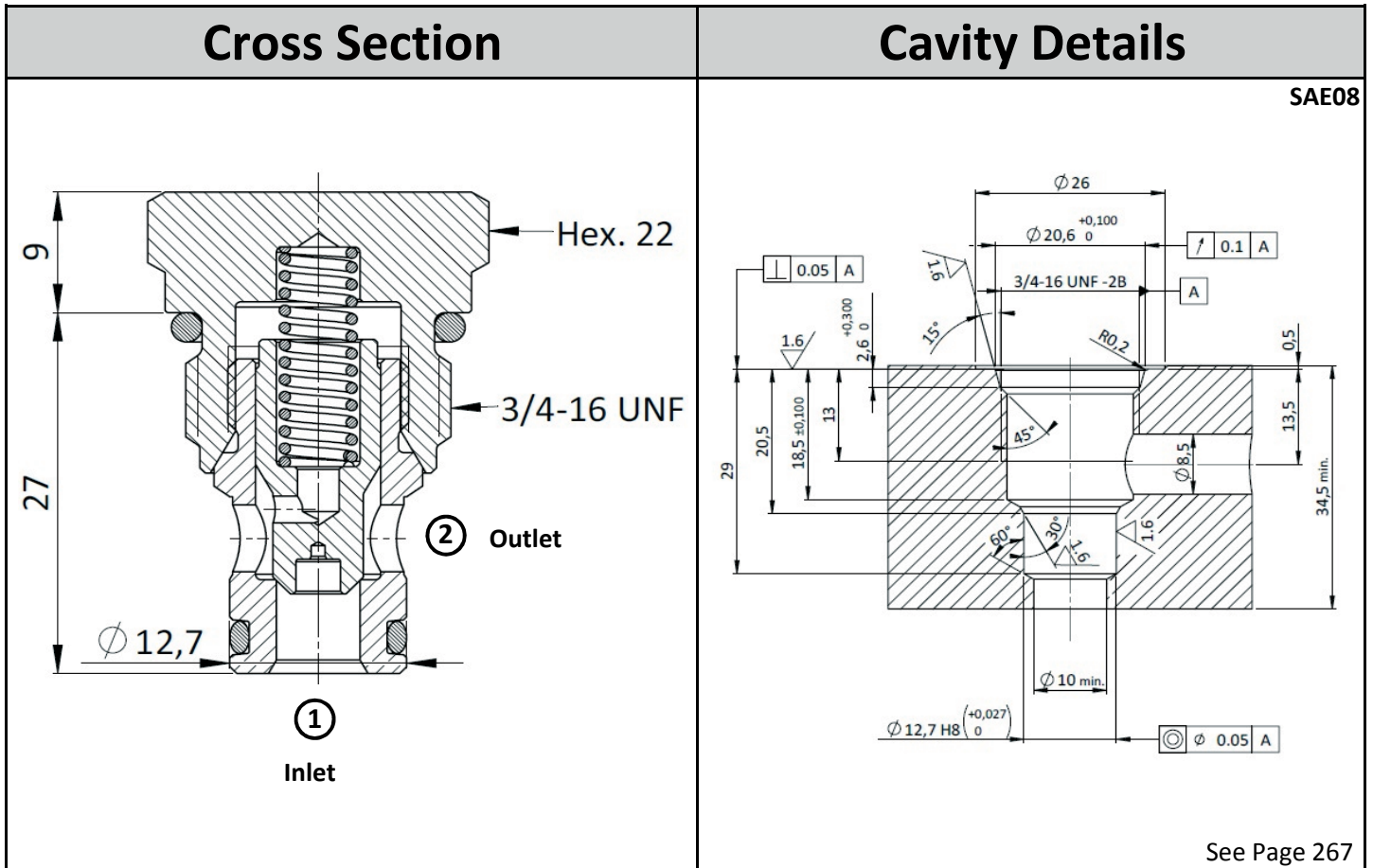
Installation torque: 40-45 Nm

Seal kit code: SK.030

Weight: 0.060 kg

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



Ordering Code

C	V	C	0	.	S	0	8	.	0	*	.	0	0	0	
↓					↓				↓		↓		↓		
Valve Basic Code					Cavity				Bias Spring		Marking		000 = standard configuration		
					S08 = UNF - SAE08				(see table below for available options)		0 = Standard factory marking		Customized markings can be done upon request		
					Metric cavity available upon request										

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.