

## CVZ0.S08 Valve Series

**SAE08 Cartridge - 420 bar**

**Direct acting - Poppet Type**

### Description

A screw-in, cartridge style, direct acting, poppet type check valve. The CVZ0.S08 allows flow passage from port 2 to 1: the cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at port 2 to open to 1. The flow is blocked in the opposite direction (1 to 2).

### Technical Features

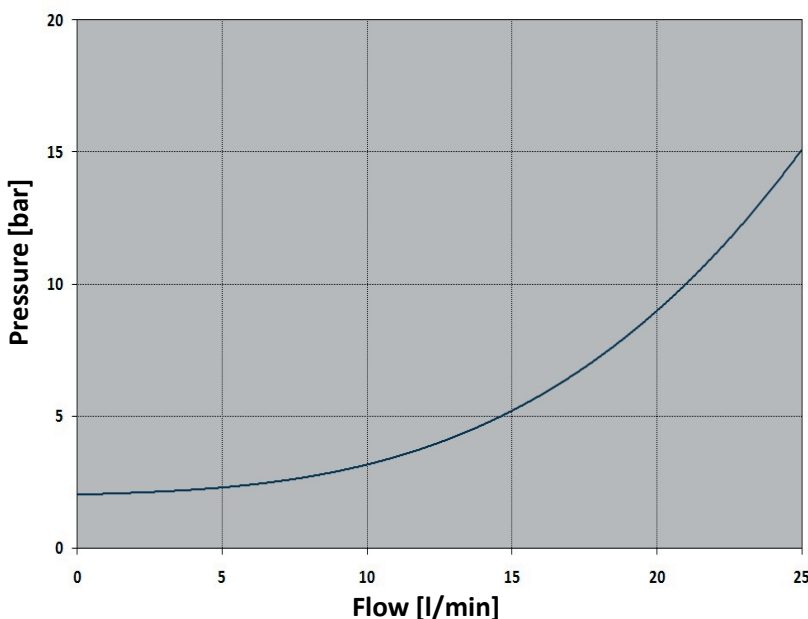
All external surfaces are zinc plated and corrosion-proof. All valve parts are made of high strength steel. Poppet is hardened and ground to guarantee minimal wear and to extend service life. Compact size. Optional bias springs for back-pressure application flexibility. Industry common cavity.



## Symbols



## Performance Details

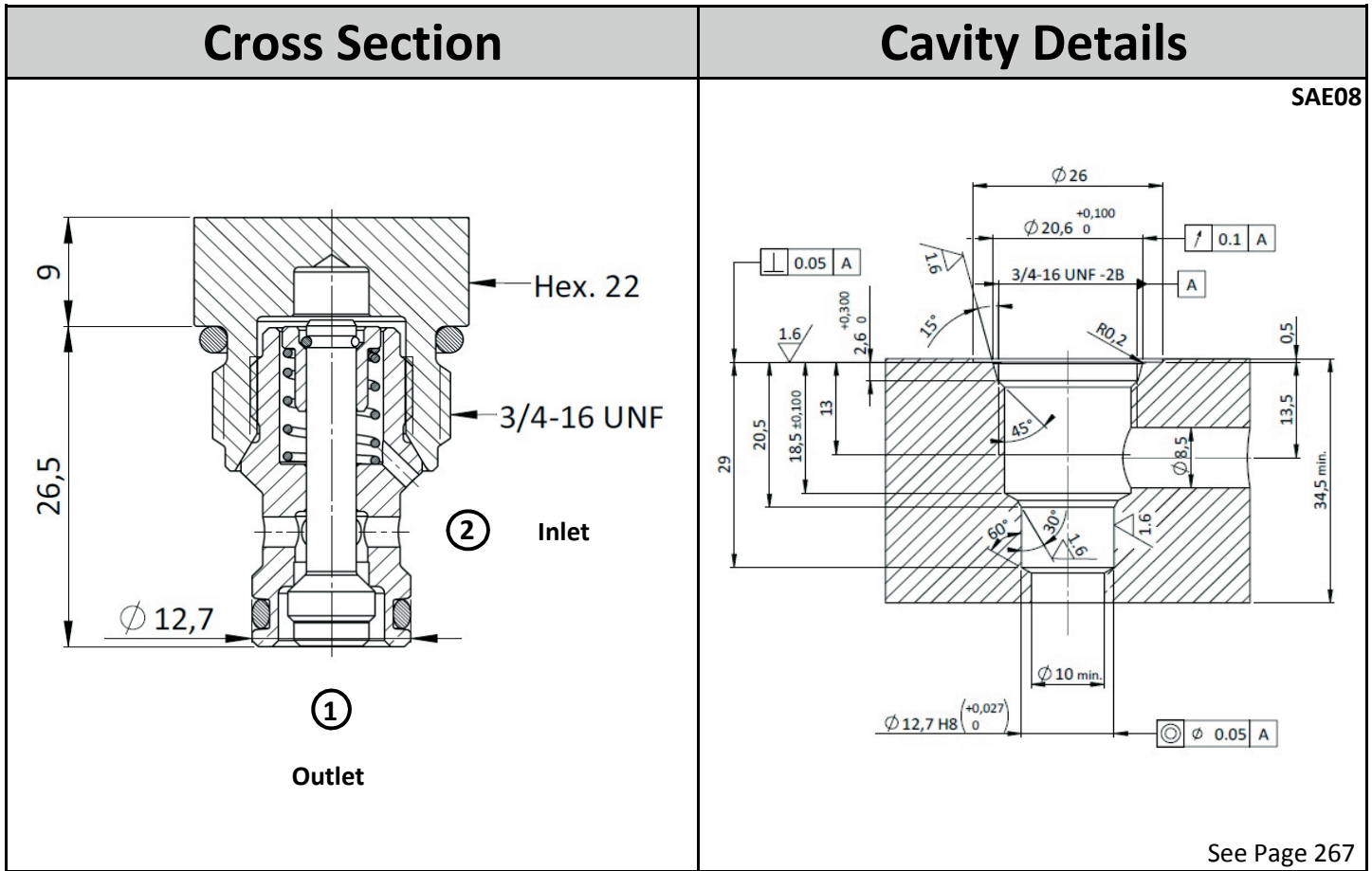


### Technical Data

Maximum operating pressure: 420 bar  
 Maximum flow: 25 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.

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



### Ordering Code

C	V	Z	0	.	S	0	8	.	0	*	.	0	0	0
↓					↓				↓			↓		
<b>Valve Basic Code</b>					<b>Cavity</b>				<b>Bias Spring</b>			<b>Marking</b>		
					S08 = UNF - SAE08 Metric cavity available upon request				000 = standard configuration			0 = Standard factory marking Customized markings can be done upon request		

Bias Spring Options			
Spring Model Code	Cracking pressure [bar]	Customized bias springs can be offered upon request.	
N	2.0		

Specifications may change without notice.