

**CHECK VALVES**

**WCVC0.S10 Valve Series**



**SAE10 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 WCVC0.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).

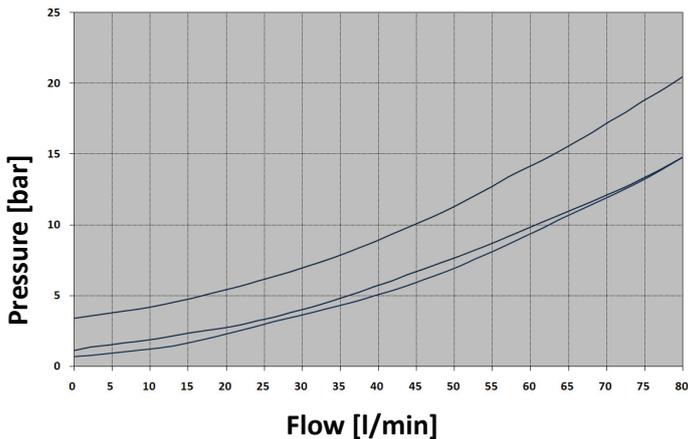
**Symbols**



**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.

**Performance Details**



**Technical data**

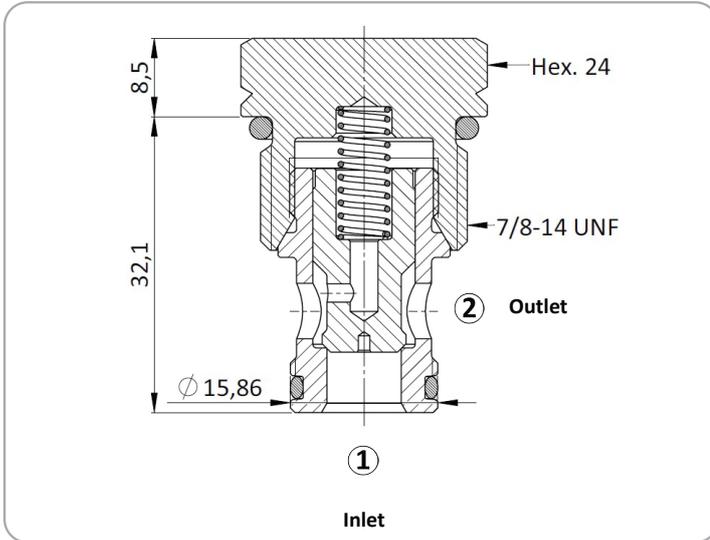
<b>Maximum operating pressure</b>	420 bar
<b>Maximum flow</b>	80 l/min
<b>Internal leakage</b>	0.10 cc/min max @420 bar
<b>Temperature</b>	°C -30°C to 110°C
<b>Fluids</b>	Mineral-based or synthetics with
<b>Lubricating properties at viscosities of</b>	7.4 to 420 cSt
<b>Orientation</b>	no restrictions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

Note : The performance chart illustrates flow handling capacity for significant spring bias options. P/Q curves are recorded at TOil = 40° and 46 cSt

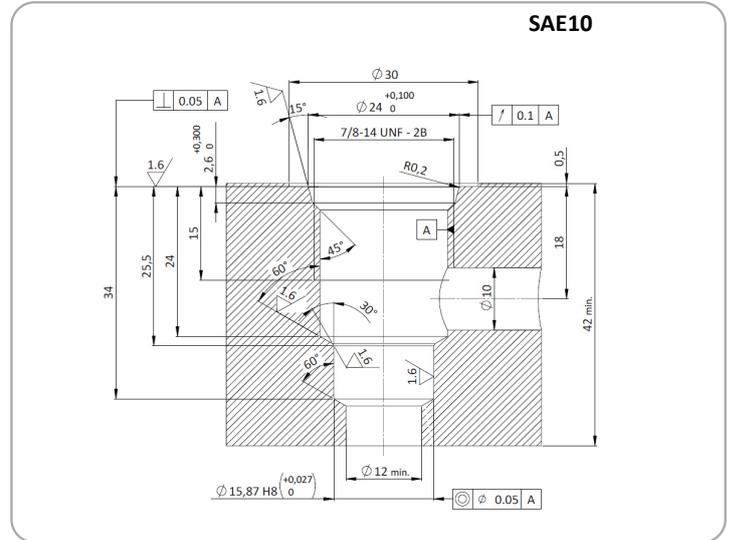
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WCVC0.S10 Valve Series

Cross section



Cavity Details



Ordering Code

**W C V C 0** . **S 1 0** . **0 \*** . **0 0 0**

Valve basic code

Cavity

S10 = 7/8-14 UNF with  $\phi 15,86$  nose size

000 = Standard configuration

Bias Spring (see table below for available options)

Marking

0 = Standard factory marking

Customized markings can be done upon request

Bais Spring Options

Spring Model Code	Cracking pressure [bar]	Spring Model Code	Cracking pressure [bar]
Y	0.5	P	5
N	1	G	8
S	2.5	V	9
B	3		