

**CHECK VALVES**

**WVC0.S16 Valve Series**



**SAE16 Cartridge-350 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 WVC0.S16 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).

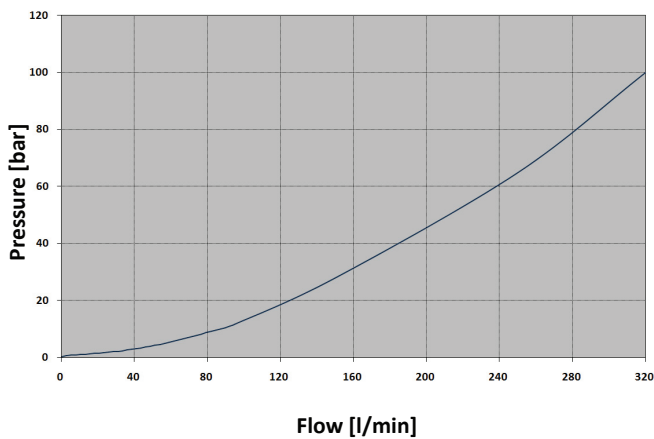
**Symbols**



**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**

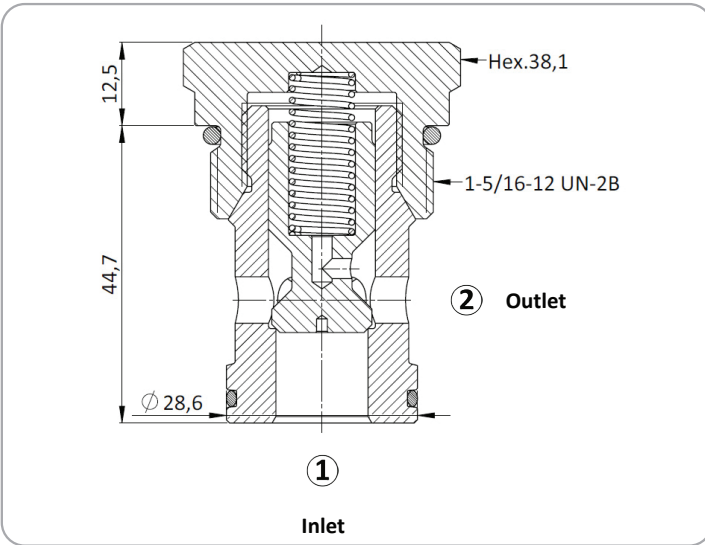
<b>Maximum operating pressure</b>	350 bar
<b>Maximum flow</b>	320 l/min
<b>Internal leakage</b>	0.10 cc/min max @350 bar
<b>Temperature</b>	°C -30°C to 110°C
<b>Fluids</b>	Mineral-based or synthetics with
<b>Lubricating properties at viscosities of</b>	7.4 to 420 cSt
<b>Orientation</b>	no restrictions
<b>Installation torque</b>	150-160 Nm
<b>Seal kit code</b>	SK.074
<b>Weight</b>	0.290 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

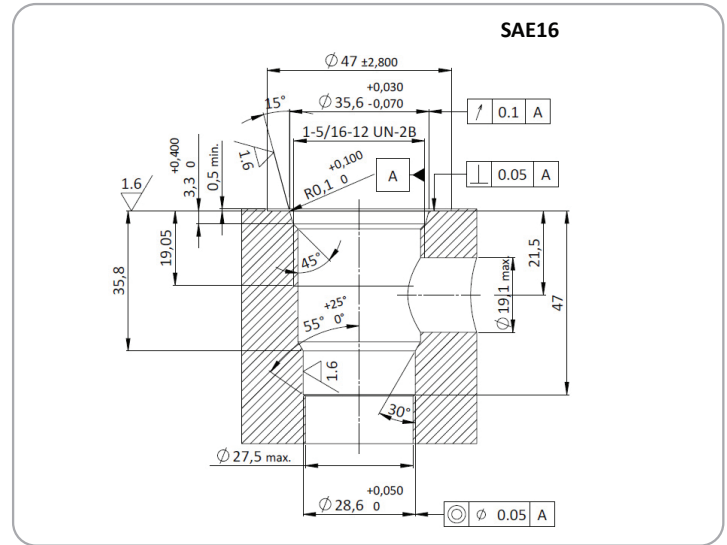
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**Cross section**



**Cavity Details**



**Ordering Code**

**W V C 0 . S 1 6 . 0 \* . 0 0 0**

↓  
**Valve basic code**

←  
**Cavity**  
S16 = 1 5/16-12 UN with  $\varnothing 28,6$  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]
Y	0.5
N	1
B	3
P	5