

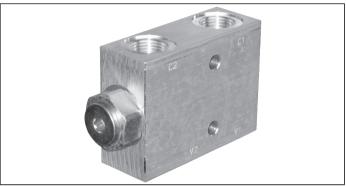
# Pilot operated check, single

RE 18307-02

Edition: 09.2019

Replaces: 03.2016

**VSO-SE** 



# **Description**

Flow is allowed to pass from V2 to C2 when pressure at V2 rises above the spring bias pressure and the poppet is pushed from its seat. The valve is normally closed (checked) from C2 to V2; when sufficient pilot pressure is present at V1-C1 the pilot piston acts to push the poppet from its seat and flow is allowed from C2 to V2. Precision machining and hardening processes allow virtually leak-free performance in the checked condition.

In case of valve application in redundancy systems it is especially recommended to use version with sealed pilot piston.



#### Technical data

05.52.01 - X - 03 - Z

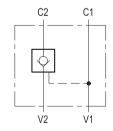
Operating pressure	up to 210 bar (3000 psi)
Max. flow	50 l/min. (13 gpm)
Weight	0.72 kg (1.6 lbs)
Manifold material	Aluminium

Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.

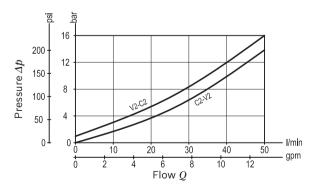
Fluid	Mineral oil (HL, HLP) according DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	10 to 500 mm <sup>2</sup> /s (cSt)
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406
Other technical data	see data sheet 18350-50
The version with O-Ring and heavier spring is generally recommende	

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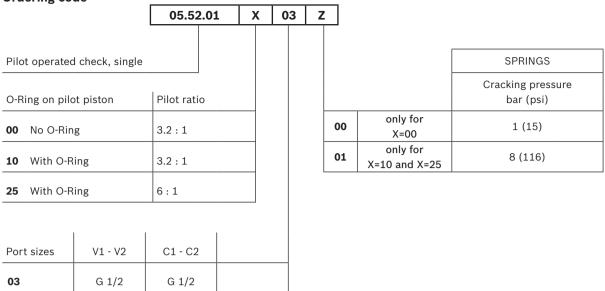
Note: for applications outside these parameters, please consult us.



#### Characteristic curve



# **Ordering code**

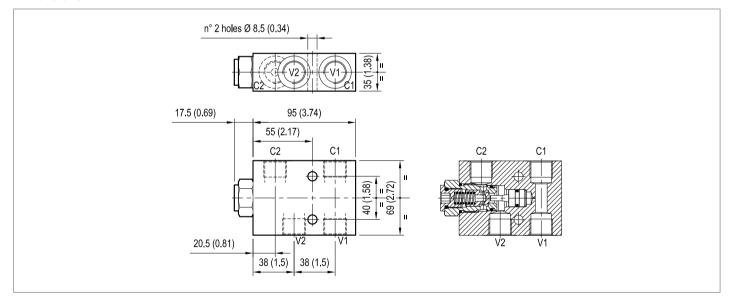


# **Preferred types**

Туре	Material number
05520100030000A	R930002299
05520110030100A	R930002302

Туре	Material number
055201250301000	R930002308

#### **Dimensions**



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