

CVB0.G18 Valve Series

GAS Cartridge - 350 bar

Direct acting - Ball Type

Description

A screw-in, direct acting, ball type in-line check valve.

Main use is as a blocking or load-holding device.

The CVB0.G18 allows flow passage from port 1 to 2: a steel ball acts as a check and 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

External surfaces are oxide burnished and corrosion-protected.

All valve parts are made of high strength steel.

Compact size.

GAS cavity.

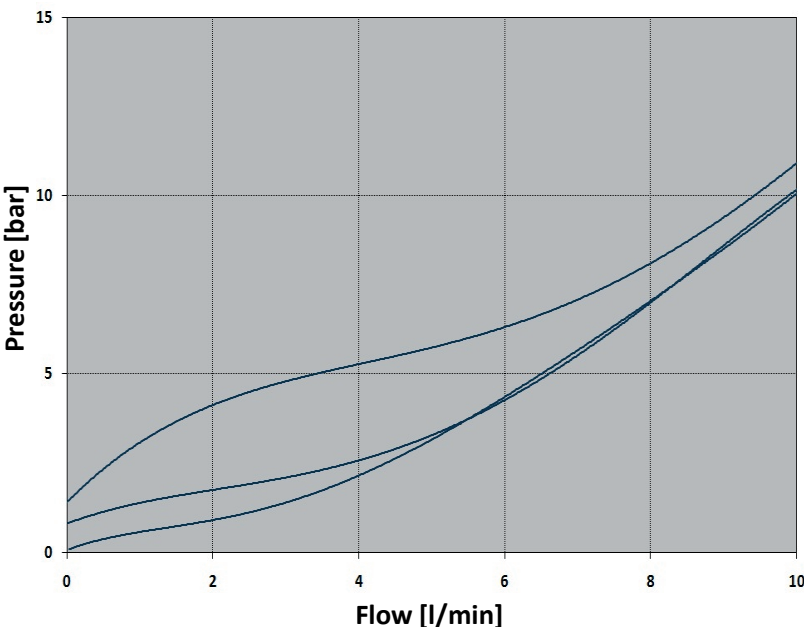



vis hydraulics

Symbols



Performance Details



Technical Data

Maximum operating pressure: 350 bar

Maximum flow: 10 l/min

Leakage: 0.10 cc/min max @ 350 bar

Temperature: -30°C to 110°C

Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt

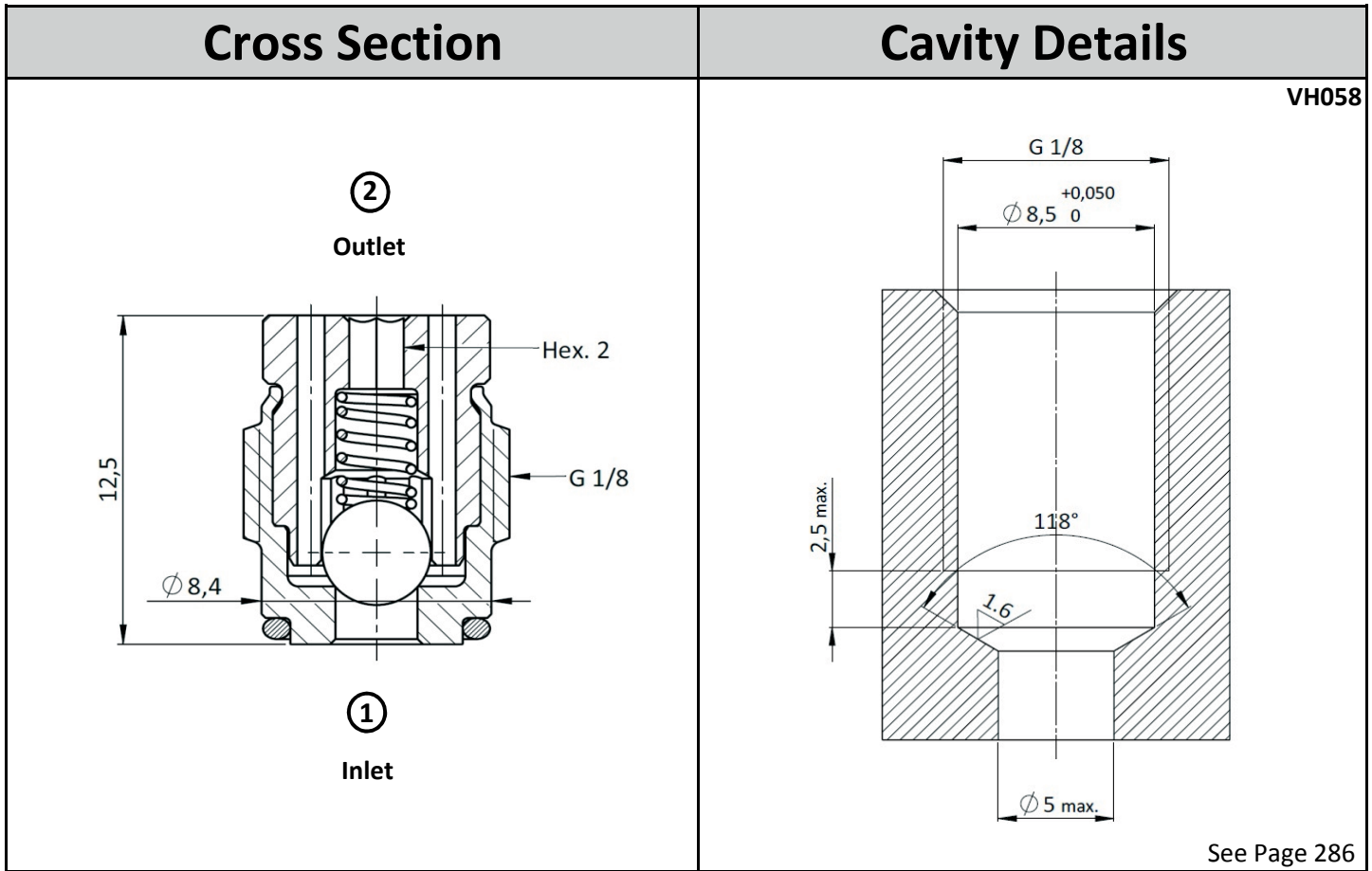
Orientation: no restrictions

Installation torque: 3 Nm

Seal kit code: SK.013

Weight: 0.004 kg

NOTE: The performance chart illustrates flow handling capacity for each spring bias option. P/Q curves are recorded at $T_{oil} = 40^\circ\text{C}$ and 46 cSt



Ordering Code

C	V	B	0	.	G	1	8	.	0	*	.	0	0	0
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Valve Basic Code

← **Cavity**
 G18 = GAS G1/8
 UNF or Metric cavities are available upon request

→ **000 = standard configuration**

→ **Bias Spring** (see table below for available options)

Bias Spring Options			Options
Spring Model Code	Cracking pressure [bar]	Customized bias springs can be offered upon request.	
Y	0,3		
N	1		
B	3		
			Installation Tool: IK.006

Specifications may change without notice.