

CVC0.M22 Valve Series

METRIC Cartridge - 420 bar

Direct acting - Poppet Type

Description

A screw-in, cartridge style, direct acting, poppet type check valve. The CVC0.M22 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).

Technical Features

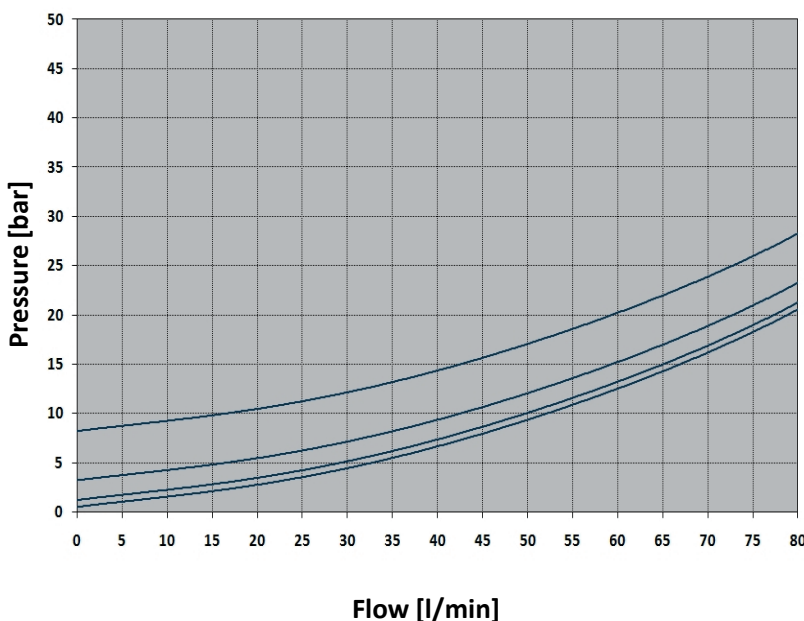
All external surfaces are zinc plated and corrosion-proof.
All valve parts are made of high strength steel. Poppet is hardened and ground to guarantee minimal wear and to extend service life.
Compact size.
Optional bias springs for back-pressure application flexibility.
Metric cavity.



Symbols



Performance Details

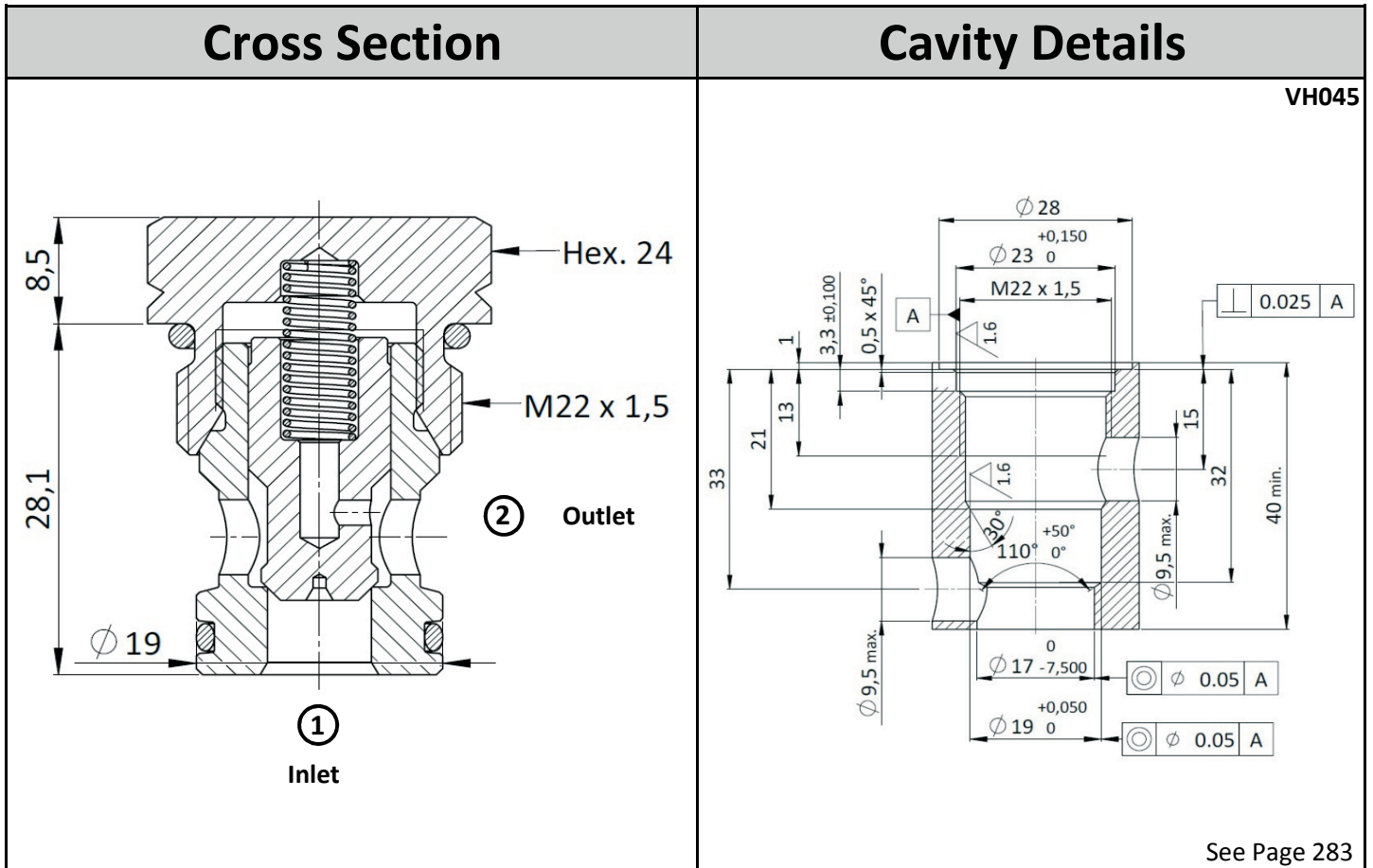


Technical Data

Maximum operating pressure: 420 bar
Maximum flow: 80 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: 55-65 Nm
Seal kit code: SK.029
Weight: 0.080 kg

NOTE: The performance chart illustrates flow handling capacity for significant spring bias options.

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



Ordering Code

C	V	C	0
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Valve Basic Code

M	2	2
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←
Cavity
M22 = Metric M22 x 1.5
UNF cavity available upon request

0	*
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→ **Bias Spring** (see table below for available options)

0	0	0
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→ **000 = standard configuration**

0

→ **Marking** 0 = Standard factory marking
Customized markings can be done upon request

Bias Spring Options			
Spring Model Code	Cracking pressure [bar]	Spring Model Code	Cracking pressure [bar]
Y	0.5	P	5
N	1.0	G	8
S	2.5	V	9
B	3		

Specifications may change without notice.