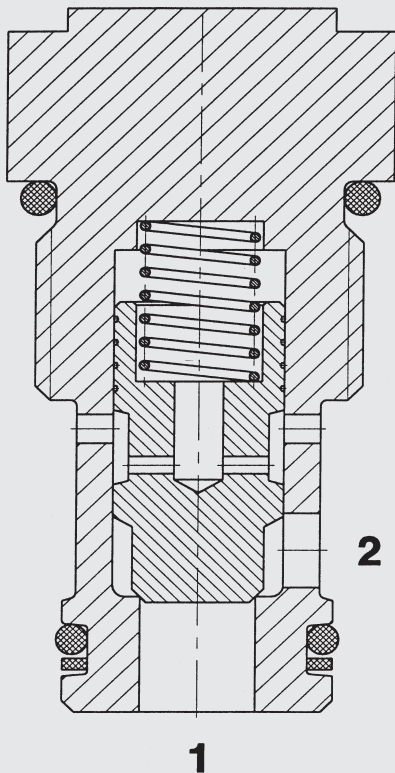


FUNCTION



The RV12A allows flow from 1 to 2, while normally blocking flow in the opposite direction. A guided check is spring-biased closed until sufficient pressure is applied at 1 to open to 2.

Check Valve SAE 12-Cartridge - 420 bar RV12A-01 Poppet Type

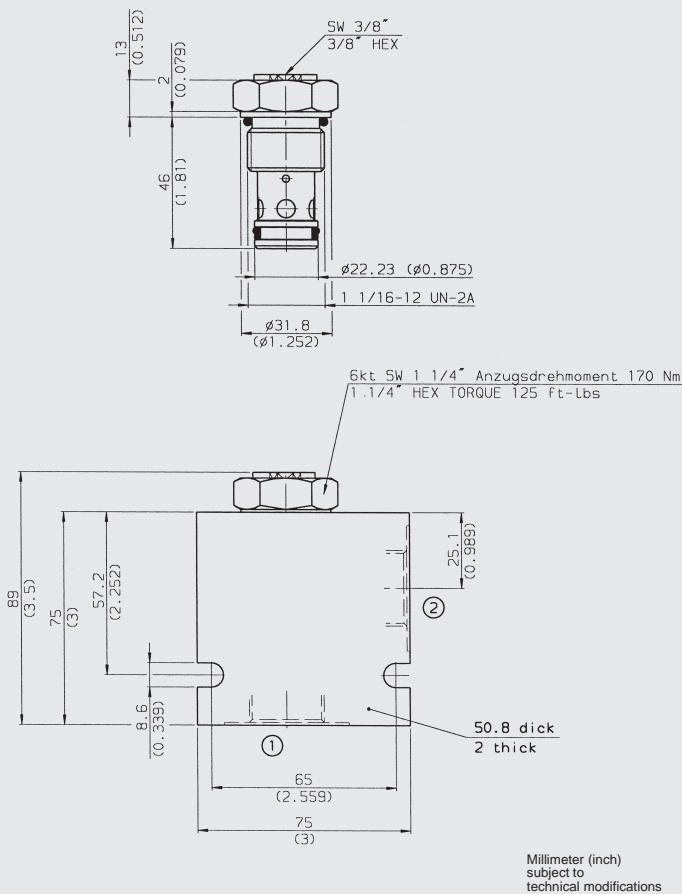
FEATURES

- All surfaces zinc-plated and corrosion proof
- Hardened closing element
- Low leakage design
- Compact design

SPECIFICATIONS

Operating pressure:	420 bar
Nominal flow:	120 l/min
Internal leakage:	0.1 cc/min max. at 420 bar
Standard cracking pressure:	0.35 bar 0.80 bar 1.70 bar 3.40 bar
Media operating temp. range:	-20 °C to +120 °C
Fluids:	Mineral-based or synthetics with lubricating properties
Viscosity:	7.4 to 420 cSt
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
Material:	Valve body: carbon steel Ball: carbon steel Seals: NBR (standard) FKM (optional)
Cavity:	FC12-2
Weights:	200 g

DIMENSIONS



MODEL CODE

RV12A-01 - C - N - 05

Basic Model

Body and ports*

C = Cartridge only

SB6 = 3/4 BSP ports, steel body

SS12 = SAE-12 ports, steel body

AB6 = 3/4 BSP ports, aluminium body

AS12 = SAE-12 ports, aluminium body

Seals

N = NBR

V = FKM

Bias spring

05 = 0.35 bar

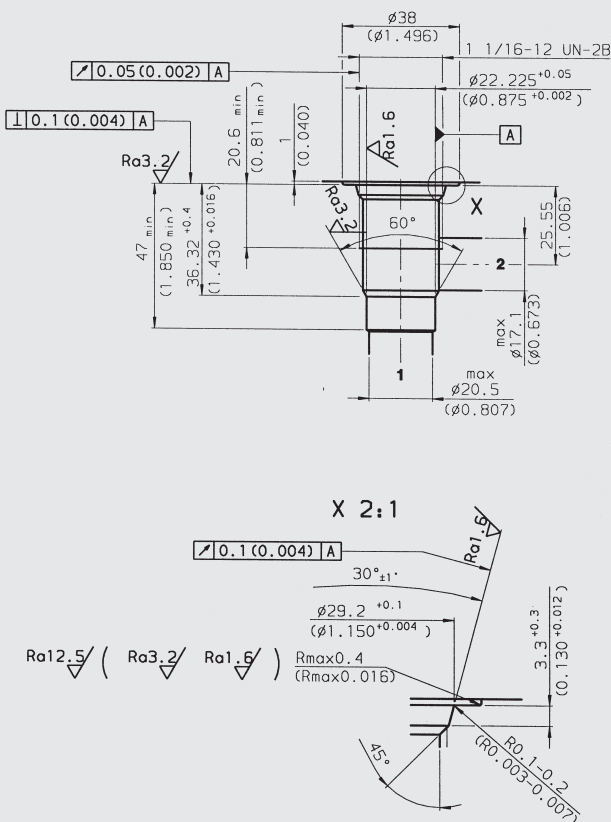
12 = 0.80 bar

25 = 1.70 bar

50 = 3.40 bar

CAVITY

FC12-2



Form tools

Tool	Part. No.
Rougher FC12-2	in preparation
Finisher FC12-2	in preparation

Millimeter (inch) subject to technical modifications

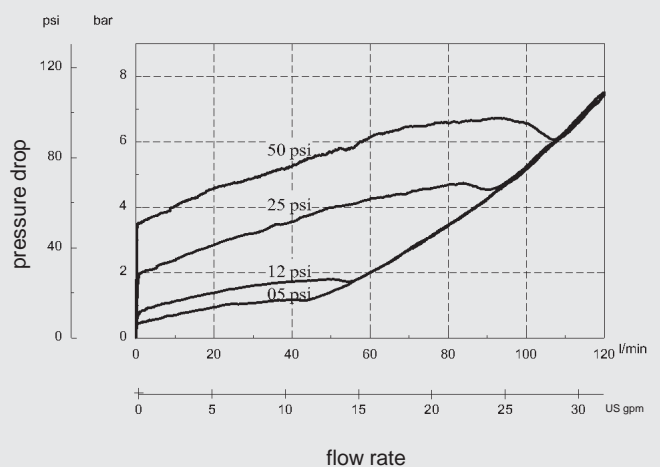
*Standard Line Bodies:

Code	Part. No.	Material	Ports	Pressure
FH122-SB6	3053782	Steel, zinc-plated	3/4 BSP	420 bar
FH122-SS12	3053772	Steel, zinc-plated	SAE-12	420 bar
FH122-AB6	3053843	Aluminium, clear anodized	3/4 BSP	245 bar
FH122-AS12	3053845	Aluminium, clear anodized	SAE-12	245 bar

PERFORMANCE

Measured at 34 cSt

T_{oil} = 46 °C



NOTE

The information in this brochure relates to the operating conditions and applications described. For applications or operating conditions not described, please contact the relevant technical department. Subject to technical modifications.

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