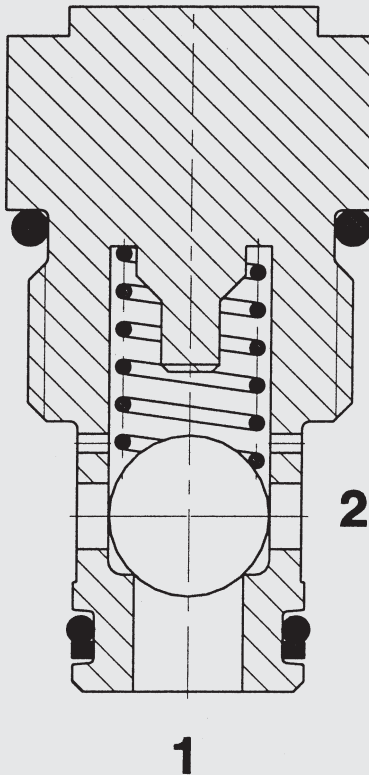


Check Valve SAE 10-Cartridge – 420 bar RV10A-01 Ball Type

FUNCTION



The RV10A allows flow passage from 1 to 2, while normally blocking flow in the opposite direction. The guided check is spring-biased closed until sufficient pressure is applied at 1 to open to 2.

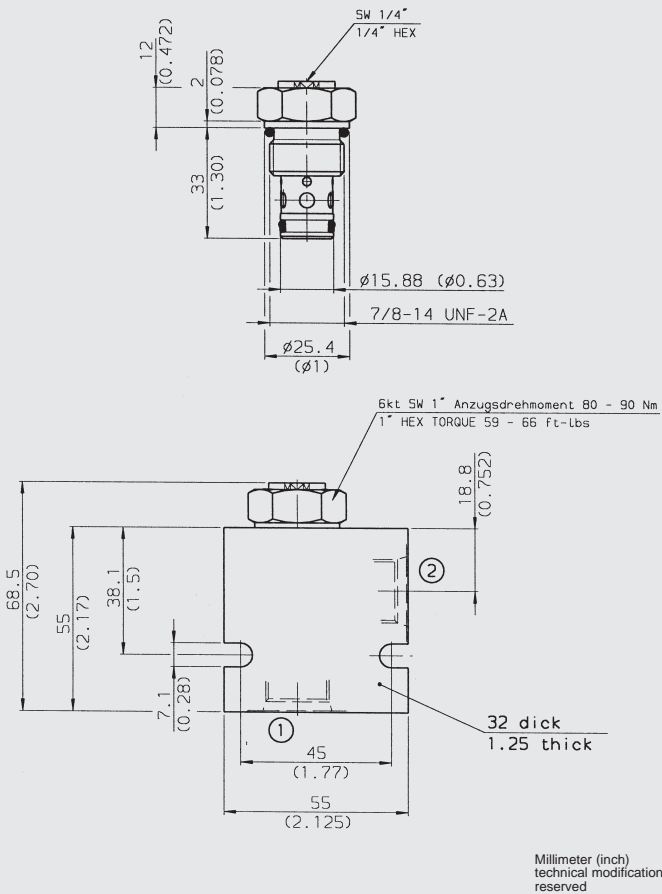
FEATURES

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

SPECIFICATIONS

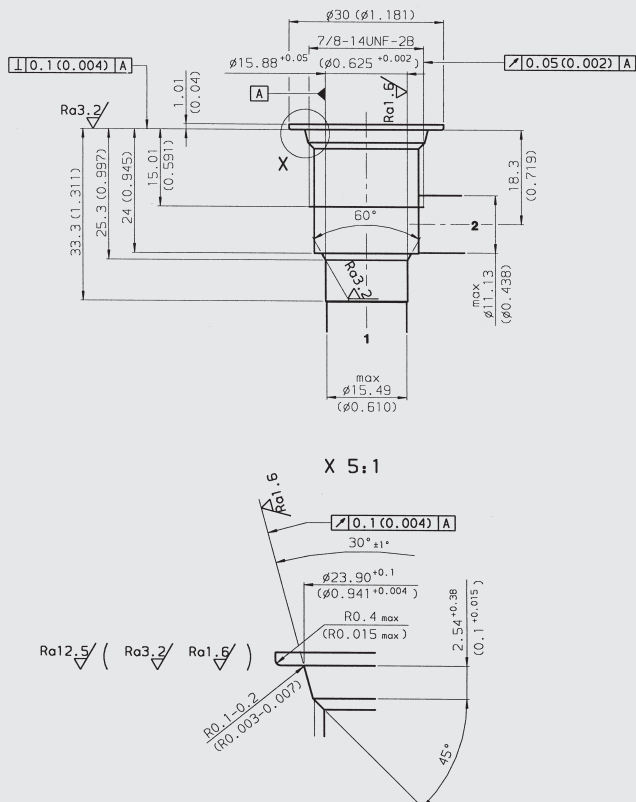
Operating pressure:	420 bar
Nominal flow:	80 l/min
Internal leakage:	0.1 cc/min max. at 420 bar
Standard cracking pressure:	0.35 bar 1.00 bar 2.00 bar 5.00 bar
Media operating temp. range:	-20 °C to +120 °C
Fluids:	Mineral-based or synthetics with lubricating properties
Viscosity:	7.4 to 420 cSt
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
Material:	Valve body: carbon steel Ball: carbon steel Seals: NBR (standard) FKM (optional)
Cavity:	FC10-2
Weight:	100 g

DIMENSIONS



CAVITY

FC10-2



Form tools

Tool	Part. No.
Rougher FC10-2	in preparation
Finisher FC10-2	in preparation

Millimeter (inch)
technical modifications
reserved

MODEL CODE

RV10A-01 - C - N - 05

Basic Model

Body and ports*

C = Cartridge only

SB4 = 1/2 BSP ports, steel body

SS8 = SAE-8 ports, steel body

AB4 = 1/2 BSP ports, aluminium body

AS8 = SAE-8 ports, aluminium body

Seals

N = NBR

V = FKM

Bias spring

05 = 0.35 bar

15 = 1.00 bar

30 = 2.00 bar

70 = 5.00 bar

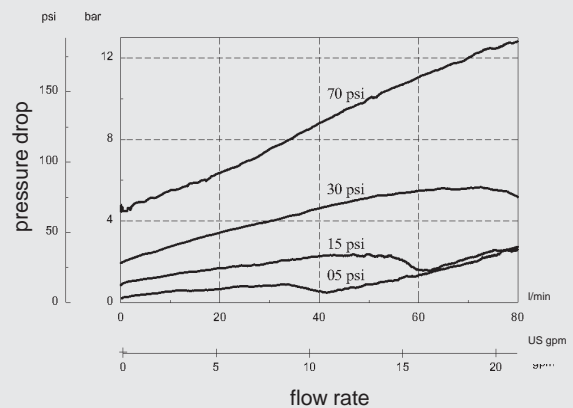
* Standard Line Bodies

Code	Part. No.	Material	Ports	Pressure
FH102-SB4	3037594	Steel, zinc-plated	1/2 BSP	420 bar
FH102-SS8	3037612	Steel, zinc-plated	SAE-8	420 bar
FH102-AB4	3037777	Aluminium, clear anodized	1/2 BSP	245 bar
FH102-AS8	3037778	Aluminium, clear anodized	SAE-8	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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