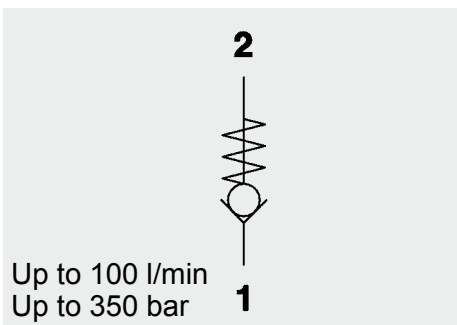
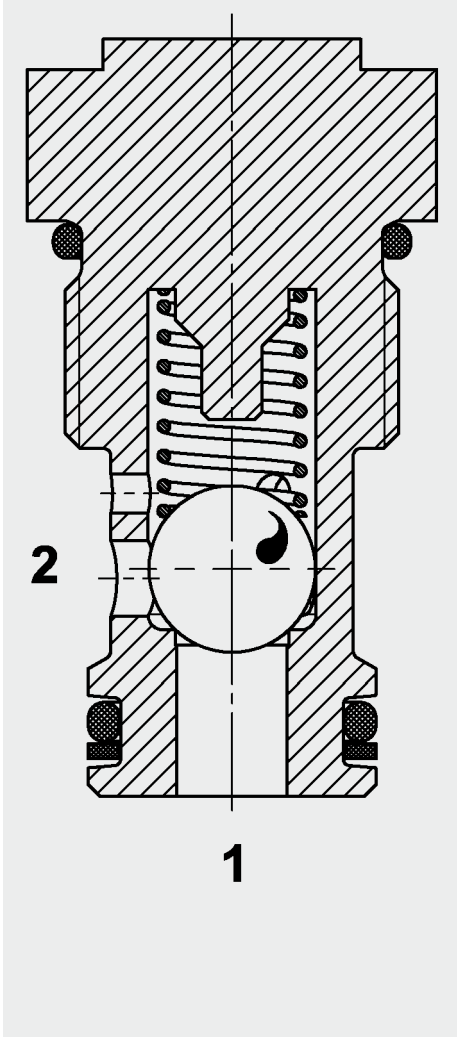




FUNCTION



When there is no flow through the valve, the spring holds the ball in the closed position and therefore shuts off port 2 from port 1.

The valve opens when the pressure at port 1 is higher than the pressure at port 2, including the pressure created by the spring force.

Check Valve Ball Poppet Type Metric Cartridge – 350 bar

RVM10120-01

FEATURES

- External surfaces zinc-plated and corrosion-proof
- Excellent stability throughout the entire flow range
- Compact design enables space-saving installation in connection housings and control blocks

SPECIFICATIONS

Operating pressure:	max. 350 bar
Nominal flow:	max. 100 l/min
Internal leakage:	leakage-free (max. 5 drops $\approx$ 0,25 cm ³ /min at 350 bar)
Cracking pressure:	0.5 bar Others on request
Media operating temperature range:	min. -30 °C to max. +100 °C
Ambient temperature range:	min. -30 °C to max. +100 °C
Operating fluid:	Hydraulic oil to DIN 51524 Part 1 and 2
Viscosity range:	min. 2.8 mm ² /s to max. 800 mm ² /s
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
MTTF _d :	150 years (see "Conditions and instructions for valves" in brochure 5.300)
Installation:	No orientation restrictions
Materials:	Valve body: free-cutting steel Ball poppet: roller bearing steel Seals: NBR (standard) FKM (optional, media temperature range -20 °C to +120 °C)
	Back-up rings: PTFE
Cavity:	10120
Weight:	0.11 kg

[illegible]

Form tools

Tool	Part No.
Countersink	170418
Reamer	1014206
Tap	1002627
Plug gauge	169394

millimeter
subject to technical modifications