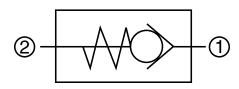
# CHECK & LOAD CONTROL VALVES

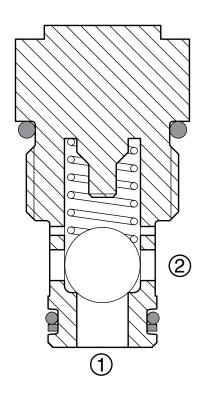
## **RV10A-01**

# Check Valve, Ball Type

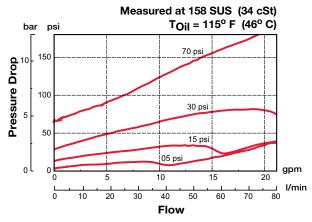
Up to 21 gpm (80 l/min) • 5000 psi (350 bar)

## **Hydraulic Symbol**





#### **Performance**



### Description

A screw-in cartridge, ball type check valve for use as a blocking or load holding device.

### Operation

The RV10A allows flow from port 1 to port 2, while normally blocking flow in the opposite direction. The valve remains closed by bias spring until sufficient pressure is applied at port 1 at which time the ball lifts off the seat and allows flow from port 1 to port 2.

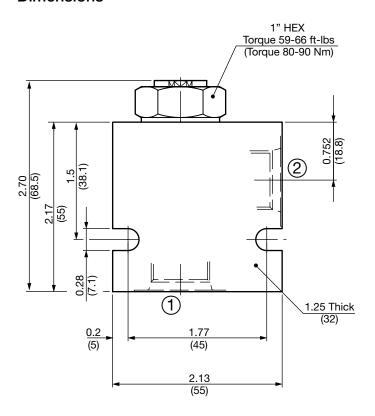
#### **Features**

- Hardened closing element to ensure extended service life and low leakage
- · Multiple bias spring options for back pressure application flexibility
- · Fast closing and seating
- Low pressure drop
- All external surfaces zinc-plated
- · Industry common cavity

## **Specifications**

Operating Pressure	5000 psi (350 bar)			
Nominal Flow	21 gpm (80 l/min)			
Internal Leakage	<2 drops/min. at 6000 psi (0.10 cc/min at 420 bar)			
Standard Cracking Pressures	5 psi (0.35 bar) 15 psi (1.00 bar) 30 psi (2.00 bar) 70 psi (5.00 bar)			
Fluid Operating Temp. Range	-4° to 248°F (-20° to +120°C) (Consult factory for usage at temp. outside range.)			
Fluid Compatibility	Mineral-based or synthetics with lubricating properties			
Viscosity	50 to 2000 SUS (7.4 to 420 cSt)			
Filtration	21/19/16 or cleaner (per ISO 4406). Use with filter rated ß10 ≥ 200.			
Installation	No orientation restrictions			
Cavity	FC10-2 (see Line Bodies & Cavities section)			
Cavity Tools	Rougher: 02580274 Finisher: 02580247			
Cartridge Weight	0.22 Lbs. (0.10 kg)			
Cartridge Material	Steel with hardened work surfaces. Zinc-plated exposed surfaces. Anodized aluminum knobs. (option H) Buna N or Viton® o-rings. PTFE back-up rings.			
Seal Kits Buna-N Viton®	FS102-N P/N: 03033872 FS102-V P/N: 03051757			

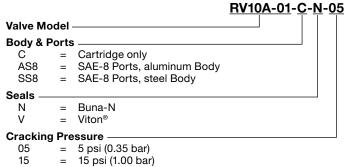
### **Dimensions**



# CHECK & LOAD CONTROL VALVES

### **Model Code**

30



30 psi (2.00 bar) 70 psi (5.00 bar)

(12)	0.08	1/4" HEX
•	1.30	Ø 0.63 (Ø 15.88)  7/8-14 UNF-2A

#### All measurements in inches (mm). Subject to technical modifications

## Standard Line Bodies\*

Code	Part No	Material	Pressure Rating	Weight
FH102-AS8	03037778	Aluminum, anodized	3500 psi (245 bar)	0.40 lb (0.18 kg)
FH102-SS8	03037612	Steel, Zinc plated	6000 psi (420 bar)	1.16 lb (0.53 kg)

<sup>\*</sup>Please refer to Line Bodies & Cavities section for details