

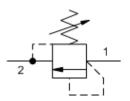


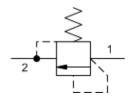
Direct-acting relief valve

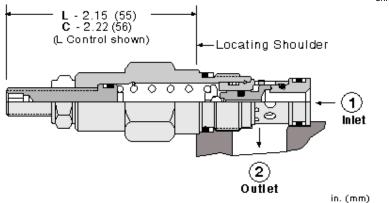
CAPACITY: 45 L/min. / CAVITY: T-162A



snhy.com/RDBA







Direct-acting relief cartridges are normally closed, pressure-limiting valves used to protect hydraulic components from pressure transients. When the pressure at the inlet (port 1) reaches the valve setting, the valve starts to open to tank (port 2), throttling flow to limit the pressure rise. These valves are smooth and quiet, essentially zero leak, dirt tolerant, immune to silting and are very fast.

#### **TECHNICAL DATA**

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Factory Pressure Settings Established at	15 L/min.	
Maximum Operating Pressure	350 bar	
Response Time - Typical	2 ms	
Maximum Valve Leakage at Reseat	0,7 cc/min.	
Reseat	>85% of setting	
Adjustment - Number of Clockwise Turns to Increase Setting	6	
Locknut Hex Size	12,7 mm	
Locknut Torque	9 - 10 Nm	
Seal kit - Cartridge	Buna: 990162007	
Seal kit - Cartridge	EPDM: 990162014	
Seal kit - Cartridge	Polyurethane: 990162002	
Seal kit - Cartridge	Viton: 990162006	

**NOTES** 

U.S. Patent #4,742,846; European Patent Pending

#### **CONFIGURATION OPTIONS**

## **Model Code Example: RDBALAN**

CONTROL	(L) ADJUSTMENT RANGE	(A) SEAL MATERIAL	(N) MATERIAL/COATING

### L Standard Screw Adjustment

- C Tamper Resistant Factory Set
- K Handknob

### **A** 500 - 3000 psi (35 - 210 bar), 1000 psi (70 bar) Standard Setting

- W 800 4500 psi (55 315 bar), 1000 psi (70 bar) Standard Setting
- **B** 300 1500 psi (20 105 bar), 1000 psi (70 bar) Standard Setting
- C 1000 6000 psi (70 420 bar), 1000 psi (70 bar) Standard Setting
- **D** 200 800 psi (14 55 bar), 400 psi (28 bar) Standard Setting
- E 100 400 psi (7 28 bar), 200 psi (14 bar) Standard Setting
- **S** 50 200 psi (3,5 14 bar), 100 psi (7

N Buna-N E EPDM

## V Viton

# Standard Material/Coating

IAP Stainless Steel, Passivated **/LH** Mild Steel, Zinc-Nickel