

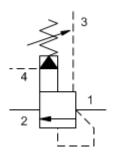


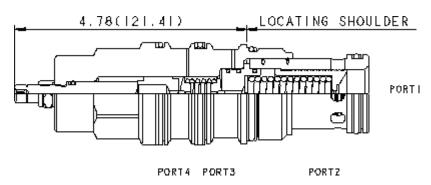
Ventable, pilot-operated, balanced piston relief valve with drain to port 4

CAPACITY: 120 gpm / CAVITY: T-24A



sunhydraulics.com/model/RVID





Ventable, pilot-operated, balanced piston relief cartridges with external drain are normally closed pressure regulating valves. When the pressure at the inlet (port 1) reaches the valve setting, the valve starts to open to tank (port 2), throttling flow to regulate the pressure. They provide a vent port (port 3) that connects between the main piston and pilot stage to provide for remote control by other pilot or 2-way valves and a drain (port 4) that makes them insensitive to back pressure. These valves are accurate, have low pressure rise vs. flow, they are smooth and quiet, and are moderately fast.

#### **TECHNICAL DATA** NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Maximum Operating Pressure	5000 psi	
Control Pilot Flow	15 - 20 in³/min.	
Factory Pressure Settings Established at	4 gpm	
Maximum Valve Leakage at 110 SUS (24 cSt)	5 in <sup>3</sup> /min.@1000 psi	
Response Time - Typical	10 ms	
Adjustment - No. of CW Turns from Min. to Max. setting	5	
Locknut Hex Size	9/16 in.	
Locknut Torque	80 - 90 lbf in.	
Seal kit - Cartridge	Buna: 990-024-007	
Seal kit - Cartridge	EPDM: 990-024-014	
Seal kit - Cartridge	Polyurethane: 990-024-002	
Seal kit - Cartridge	Viton: 990-024-006	

## **CONFIGURATION OPTIONS** CONTROL

### Standard Screw Adjustment

- Tamper Resistant Factory Set
- Handknob Κ

# Model Code Example: RVIDLAN

ADJUSTMENT RANGE

(L)

- 100 3000 psi (7 210 bar), 1000 psi (70 bar) Standard Setting
- 50 1500 psi (3,5 105 bar), 1000 psi (70 bar) Standard Setting
- 150 6000 psi (10,5 420 bar), С 1000 psi (70 bar) Standard Setting
- 25 800 psi (1,7 55 bar), 400 psi (28 bar) Standard Setting
- E 25 400 psi (1,7 28 bar), 200 psi (14 bar) Standard Setting
- W 150 4500 psi (10,5 315 bar), 1000 psi (70 bar) Standard Setting

# (A)

**SEAL MATERIAL** 

#### MATERIAL/COATING (N)

		Standard Material/Coating
ΙA	Ρ	Stainless Steel, Passivated
/LI	Н	Mild Steel, Zinc-Nickel

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