



CONFIGURATION

Control
Adjustment Range
Seal Material

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

Maximum Operating Pressure	5000 psi
Control Pilot Flow	10 - 15 in ³ /min.
Factory Pressure Settings Established at	4 gpm
Maximum Valve Leakage at 110 SUS (24 cSt)	3 in ³ /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: 990-022-007
Seal kit - Cartridge	Polyurethane: 990-022-002
Seal kit - Cartridge	Viton: 990-022-006

CONFIGURATION OPTIONS

Model Code Example: RVEDAN

CONTROL

(Y)

- Y** Tri-Grip Handknob
- C** Tamper Resistant - Factory Set
- L** Standard Screw Adjustment

(Y)

- Y** 30 - 4500 psi (2 - 315 bar), 1000 psi (70 bar)
Standard Setting
- A** 100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar)
Standard Setting
- B** 50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar)
Standard Setting
- C** 150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar)
Standard Setting
- D** 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

SEAL/STAMP/RANGE

(N)

- N** Buna-N
- E** EPDM
- V** Viton