



Ventable, pilot-operated, anti shock relief cartridges limit maximum system pressure and also limit the rate of pressure rise. The valve opens and then ramps closed at a constant speed, independent of settings and flows. These 3 port valves include a vent port (port 3) that connects between the main piston and the pilot stage to provide for remote control by other pilot or 2-way valves. The adjust screw determines the maximum (relief) setting and the minimum (threshold) setting.

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

| | |
|--|-------------------------------|
| Maximum Operating Pressure | 5000 psi |
| Control Pilot Flow | 15 - 20 in ³ /min. |
| Factory Pressure Settings Established at | 4 gpm |
| Pressure Ramp Up Time | 300 - 500 ms |
| Response Time - Typical | 2 ms |
| Adjustment - No. of CW Turns from Min. to Max. setting | 4.5 |
| Locknut Hex Size | 9/16 in. |
| Locknut Torque | 80 - 90 lbf in. |
| Seal kit - Cartridge | Buna: 990-217-007 |
| Seal kit - Cartridge | Polyurethane: 990-217-002 |
| Seal kit - Cartridge | Viton: 990-217-006 |
| U.S. Patent # | 6,039,070 |

NOTES: • Patents are pending for this product.

CONFIGURATION OPTIONS

Model Code Example: RVGTLANV

| CONTROL | (L) | ADJUSTMENT RANGE | (A) | SEAL MATERIAL | (N) | MATERIAL/COATING |
|---------|--------------------------------|------------------|--|---------------|--------|---------------------------------|
| L | Standard Screw Adjustment | A | 500 - 3000 psi (35 - 210 bar), 1000 psi (70 bar) Standard Setting | N | Buna-N | Standard Material/Coating |
| C | Tamper Resistant - Factory Set | B | 500 - 1500 psi (35 - 105 bar), 1000 psi (70 bar) Standard Setting | V | Viton | IAP Stainless Steel, Passivated |
| | | C | 1000 - 6000 psi (70 - 420 bar), 1000 psi (70 bar) Standard Setting | | | |
| | | W | 1000 - 4500 psi (70 - 315 bar), 1000 psi (70 bar) Standard Setting | | | |