



This FLeX Series solenoid-operated, 2-stage, balanced relief cartridge is a pressure regulating valve. The valve is normally in relief mode. In relief mode, the valve is open to tank (port 2), throttling flow to regulate the pressure when the pressure at the inlet (port 1) reaches the valve setting. The setting is adjustable with an adjust screw. Energizing the solenoid opens the main chamber to tank and the valve becomes vented. The pressure drop from the inlet (port 1) to tank (port 2) is typically 100 psi (see performance curves).

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

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|--|-----------------------------------|
| Maximum Operating Pressure | 5000 psi |
| Factory Pressure Settings Established at | 4 gpm |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 5 in ³ /min. @2000 psi |
| Response Time - Typical | 50 ms |
| Adjustment - No. of CW Turns from Min. to Max. setting | 3.5 |
| Locknut Hex Size | 7/16 in. |
| Locknut Torque | 45 - 55 lbf in. |
| Seal kit - Cartridge | Buna: 990-010-007 |
| Seal kit - Cartridge | Polyurethane: 990-010-002 |
| Seal kit - Cartridge | Viton: 990-010-006 |
| U.S. Patent # | 10,557,483 |

CONFIGURATION OPTIONS

Model Code Example: RVCLLJN

| CONTROL | (L) | ADJUSTMENT RANGE | (J) | SEAL MATERIAL | (N) | COIL * |
|---------|---------------------------|------------------|---|---------------|--------|---|
| L | Standard Screw Adjustment | J | 300 - 5000 psi (20 - 350 bar), 1000 psi (70 bar) Standard Setting | N | Buna-N | No coil |
| | | | | E | EPDM | * Additional coil options are available |
| | | | | V | Viton | |