



This FLeX Series solenoid-operated, 2-stage, balanced relief cartridge is a pressure regulating valve. The valve is normally blocked. De-energized, the valve blocks the flow path from inlet (port 1) to tank (port 2) similar to a spool-type directional valve. Energizing the solenoid activates the relief function. In relief mode, the valve opens 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.

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

Maximum Operating Pressure	5000 psi
Factory Pressure Settings Established at	4 gpm
Maximum Valve Leakage at 110 SUS (24 cSt)	5 in <sup>3</sup> /min. @3000 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 #	10,774,853

**CONFIGURATION OPTIONS**

**Model Code Example: RVCNLJN**

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 E EPDM V Viton		No coil * Additional coil options are available