



Three-port normally closed modulating elements with relief provide two functions when combined with an external orifice. The mainstage is a bypass compensator that controls a priority flow into the circuit, determined by the external orifice. Input flow in excess of the priority flow is bypassed to tank (port 2). If the inlet (port 1) pressure rises to the valve setting, the valve operates as a normal relief valve.

**TECHNICAL DATA**

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

|  |                         |
|--|-------------------------|
| Factory Pressure Settings Established at               | 15 L/min.               |
| Maximum Operating Pressure                             | 350 bar                 |
| Response Time - Typical                                | 10 ms                   |
| Maximum Valve Leakage at 110 SUS (24 cSt)              | 30 cc/min.@70 bar       |
| Adjustment - No. of CW Turns from Min. to Max. setting | 5                       |
| Locknut Hex Size                                       | 15 mm                   |
| Locknut Torque   | 9 - 10 Nm               |
| Seal kit - Cartridge                                   | Buna: 990011007         |
| Seal kit - Cartridge                                   | Polyurethane: 990011002 |
| Seal kit - Cartridge                                   | Viton: 990011006        |

**CONFIGURATION OPTIONS**

**Model Code Example: RVCBLAN**

| CONTROL                          | (L) ADJUSTMENT RANGE  | (A) SEAL MATERIAL | (N) MATERIAL/COATING            |
|----------------------------------|---|-------------------|---------------------------------|
| L Standard Screw Adjustment      | A 100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting    | N Buna-N          | Standard Material/Coating       |
| C Tamper Resistant - Factory Set | B 50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar) Standard Setting   | V Viton           | IAP Stainless Steel, Passivated |
| K Handknob                       | C 150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting |                   | LH Mild Steel, Zinc-Nickel      |