



Pilot-operated, anti shock sequence 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. The adjust screw determines the maximum (relief) setting and the minimum (threshold) setting. The external drain makes the valve insensitive to pressure at port 2.

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

|  |                               |
|--|-------------------------------|
| Maximum Operating Pressure                             | 5000 psi                      |
| Control Pilot Flow                                     | 10 - 25 in <sup>3</sup> /min. |
| Factory Pressure Settings Established at               | 4 gpm                         |
| Pressure Ramp Up Time                                  | 200 - 400 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: 990-219-007             |
| Seal kit - Cartridge                                   | Viton: 990-219-006            |

**CONFIGURATION OPTIONS**

**Model Code Example: SDJTLANV**

| CONTROL                            | (L) | ADJUSTMENT RANGE   | (A) | SEAL MATERIAL   | (N) | MATERIAL/COATING                   |
|------------------------------------|-----|--|-----|-----------------|-----|------------------------------------|
| <b>L</b> Standard Screw Adjustment |     | <b>A</b> 2000 - 3000 psi (140 - 210 bar),<br>2000 psi (140 bar) Standard Setting |     | <b>N</b> Buna-N |     | Standard Material/Coating          |
| <b>C</b> Concealed Manual Override |     | <b>C</b> 4500 - 6000 psi (315 - 420 bar),<br>4500 psi (315 bar) Standard Setting |     | <b>V</b> Viton  |     | <b>/LH</b> Mild Steel, Zinc-Nickel |
|                                    |     | <b>W</b> 3000 - 4500 psi (210 - 315 bar),<br>3000 psi (210 bar) Standard Setting |     |                 |     |                                    |