



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: 990-402-007
Seal kit - Cartridge	Polyurethane: 990-002-002
Seal kit - Cartridge	Viton: 990-402-006

**CONFIGURATION OPTIONS**

**Model Code Example: SDFTLAN**

**CONTROL**

(L)

**ADJUSTMENT RANGE**

(A)

**SEAL MATERIAL**

(N)

**L** Standard Screw Adjustment

**A** 2000 - 3000 psi (140 - 210 bar), 2000 psi (140 bar)  
Standard Setting

**C** 4500 - 6000 psi (315 - 420 bar), 4500 psi (315 bar)  
Standard Setting

**W** 3000 - 4500 psi (210 - 315 bar), 3000 psi (210 bar)  
Standard Setting

**N** Buna-N

**V** Viton