



Pilot-operated, anti shock relief 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
Factory Pressure Settings Established at	4 gpm
Maximum Valve Leakage at Reseat	10 drops/min.
Pressure Ramp Up Time	300 - 500 ms
Response Time - Typical	2 ms
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-217-007
Seal kit - Cartridge	Polyurethane: 990-217-002
Seal kit - Cartridge	Viton: 990-217-006

CONFIGURATION OPTIONS

Model Code Example: SDHTLANV

CONTROL

(L)

ADJUSTMENT RANGE

(A)

SEAL MATERIAL

(N)

L Standard Screw Adjustment

C Tamper Resistant - Factory Set

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