



**CONFIGURATION**

<b>L</b>	Control	Standard Screw Adjustment
<b>B</b>	Adjustment Range	300 - 1500 psi (20 - 105 bar), 1000 psi (70 bar) Standard Setting
<b>N</b>	Seal Material	Buna-N
<b>(none)</b>	Material/Coating	Standard Material/Coating

Direct-acting sequence valves will supply a secondary circuit with flow once the pressure at the inlet (port 1) has exceeded the valve setting. The pressure setting of a sequence valve controls the pressure at port 1 relative to the pressure at the drain (port 3).

**TECHNICAL DATA**

Factory Pressure Settings Established at	2 in <sup>3</sup> /min.
Maximum Operating Pressure	5000 psi
Response Time - Typical	2 ms
Maximum Valve Leakage at Reseat	10 drops/min.
Adjustment - Number of Clockwise Turns to Increase Setting	4
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-011-007
Seal kit - Cartridge	Polyurethane: 990-011-002
Seal kit - Cartridge	Viton: 990-011-006

**CONFIGURATION OPTIONS**

**Model Code Example: SXCALBN**

CONTROL	(L) ADJUSTMENT RANGE	(B) SEAL MATERIAL	(N) MATERIAL/COATING
<b>L</b> Standard Screw Adjustment <b>C</b> Tamper Resistant - Factory Set	<b>B</b> 300 - 1500 psi (20 - 105 bar), 1000 psi (70 bar) Standard Setting <b>A</b> 500 - 3000 psi (35 - 210 bar), 1000 psi (70 bar) Standard Setting <b>C</b> 2000 - 6000 psi (140 - 420 bar), 2000 psi (140 bar) Standard Setting <b>D</b> 200 - 800 psi (14 - 55 bar), 400 psi (28 bar) Standard Setting <b>E</b> 100 - 400 psi (7 - 28 bar), 200 psi (14 bar) Standard Setting <b>W</b> 800 - 4500 psi (55 - 315 bar), 1000 psi (70 bar) Standard Setting	<b>N</b> Buna-N <b>V</b> Viton	Standard Material/Coating <b>/AP</b> Stainless Steel, Passivated <b>/LH</b> Mild Steel, Zinc-Nickel

**TECHNICAL FEATURES**

- All 3 port sequence cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size).
- Although this is a zero pilot flow valve, port 3 (drain) must be connected to maintain a pressure reference in the control chamber. If port 3 is blocked, reciprocating seal weepage will cause the valve to malfunction.
- Pressure at port 3 is directly additive to the valve setting at a 1:1 ratio and should not exceed 5000 psi (350 bar).
- Suitable for use in load holding applications.
- Corrosion resistant cartridge valves are intended for use in corrosive environments and are identified by the model code suffix /AP for external stainless steel components, or /LH for external zinc-nickel plated components. See the CONFIGURATION section for all options. For further details, please see the Materials of Construction page located under TECH RESOURCES.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

**PERFORMANCE CURVES**

