PRESSURE BREAKER/SEQUENCE VALVE
PILOT OPERATED, SLIDING SPOOL

FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-031.1

BSCS-08-X-X-X-XX

BASIC SIZE 08 = 3/4"-16 UNF

SEALS N = BUNA "N" V = VITON

ADJUSTMENT S = ADJUSTING SCREW C = CAPPED T = TAMPERPROOF K = HANDKNOB M = METAL HANDKNOB

FOR ADJUSTMENT CONTROL OPTIONS SEE PAGE 0-050.0

TORQUE:
Steel = 35/40 Ft-Lb. [47/54 Nm]
Aluminum = 25/30 Ft-Lb. [34/41 Nm]

PRESSURE RANGE
15 = 50 TO 1500 PSI
30 = 50 TO 3000 PSI
50 = 50 TO 5000 PSI

PORTS
0 = CARTRIDGE ONLY
02BX = G 1/4" BSPP
06TX = SAE - #6

"A" = ALUM. HOUSING
"S" = STEEL HOUSING

PRESSURE DROP (ΔP)

L/M (28,5 cSt)

G.P.M. (135 SUS)
### PRESSURE BREAKER/SEQUENCE VALVE

**PILOT OPERATED, SLIDING SPOOL**

#### DESCRIPTION
This unit is a PILOT OPERATED, SCREW IN CARTRIDGE STYLE, SLIDING SPOOL TYPE, ADJUSTABLE, INTERNAL PILOT, HYDRAULIC PRESSURE BREAKER/SEQUENCE VALVE.

#### OPERATIONS
This is a normally closed breaker/sequence valve, blocking flow from port 1 to port 2. When pressure in port 1 exceeds bias spring setting the spool will shift and stay shifted allowing flow from port 1 to port 2 and blocking flow from port 2 to port 3, until pressure at port 1 is removed. Acts like a circuit breaker in a hydraulic system.

#### FEATURES AND BENEFITS
- Leakproof screw adjustment.
- Pressure in tank port (3) will add to the bias spring setting, and is limited to 2000 PSI. 
- Adjustment screw can not be backed out of the valve.
- Overset protection—pilot spring can not go solid.
- Hardened precision fitted spool & cage provides reliable, long life.
- A unique self aligning (floating) cage provides very low hysteresis and reliable operation.
- All external carbon steel parts are plated for longer life against the elements.
- Valve is available with screw, tamperproof, capped and handknob adjustments.
- All cartridge valves are 100% functionally tested.
- Industry common cavity.

#### SPECIFICATIONS

<table>
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<tr>
<th>OPERATING PRESSURE:</th>
<th>5,000 PSI [350 Bar]</th>
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<tr>
<td>PROOF PRESSURE:</td>
<td>10,000 PSI [700 Bar]</td>
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<td>FLOW:</td>
<td>6.0 GPM [23.0 L/M] nominal. See performance chart.</td>
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<td>INTERNAL LEAKAGE:</td>
<td>5 cu.in./min [0.82 cc/m] @ 85% of crack pressure.</td>
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<td>DEFINITION OF CRACK:</td>
<td>evident at 0.06 GPM [0.25 LPM]</td>
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<td>OPERATING TEMPERATURE:</td>
<td>-40° to +250° F. [-40° to +120° C.]</td>
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<td>OPERATING MEDIA:</td>
<td>All general purpose hydraulic fluids such as MIL-H-5606, SAE-#10, SAE-#20, etc.</td>
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#### INSTALLATION: No restriction.

#### FILTRATION: 25 microns or better.

#### SEAL KIT NUMBER: SKN-0831 for buna "N". SKV-0831 for viton.

#### WEIGHT: 0.30 lb [.14 kg] cartridge only.

#### VALVE CAVITY: #C0830, See Page 0-031.0.