SHUTTLE VALVE, BRAKE RELEASE
SPOOL TYPE, SPRING CENTERED.

FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-041.1

SDSV-08-X-X-X-XXX
BASIC
SIZE  08 = 3/4"-16 UNF
SEALS  N = BUNA "N"
       V = VITON
SPOOL  "4C" = CLOSED CENTER

PRESSURE BIAS SPRING
050 = 50 PSI (FIXED)
100 = 100 PSI (FIXED)
150 = 150 PSI (FIXED)

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

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

SDSV-08

L/M (28.5 cSt)

<table>
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<th>G.P.M. (135 SUS)</th>
<th>200</th>
<th>150</th>
<th>100</th>
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<td>4.0</td>
<td>3.0</td>
<td>2.0</td>
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</table>

PRESSURE DROP ($\Delta P$)

TORQUE:
Steel = 35/40 Ft-Lb. [47/54 Nm]
Aluminum = 25/30 Ft-Lb. [34/41 Nm]
SHUTTLE VALVE, BRAKE RELEASE.
THREE-POSITION, FOUR-WAY, SPRING CENTERED.

DESCRIPTION

This unit is a screw in, cartridge type, four ported spool type, three position, spring centered, hydraulic brake release shuttle valve.

OPERATIONS

This valve senses the higher of the two input pressures port #1 or #4 and routes it to port #2, when pressure on port #1 or #4 is equal the valve will center and route port #2 to port #3 (TANK).

FEATURES AND BENEFITS

A hardened steel spool and a hardened steel bore assures rugged and reliable performance. All external carbon steel parts are plated for longer life against the elements. All cartridge valves are 100% functionally tested. Industry common cavity.

SPECIFICATIONS

| OPERATING PRESSURE:            | 5,000 PSI [350 Bar]                      |
| PROOF PRESSURE:                | 10,000 PSI [700 Bar]                     |
| FLOW:                         | 5.0 GPM [20 l/m] nominal. See performance chart. |
| INTERNAL LEAKAGE:             | 5 cu.in./min maximum at 5,000 PSI.       |
| OPERATING TEMPERATURE:        | −40° to +250° F. [−40° to +120° C.]       |
| OPERATING MEDIA:              | All general purpose hydraulic fluids such as MIL–H–5606, SAE–#10, SAE–#20, etc. |
| INSTALLATION:                 | No restriction.                           |
| FILTRATION:                   | 25 microns or better.                     |
| SEAL KIT NUMBER:              | SKN–0842 for buna ”N”.
| SKV–0842 for viton.           |
| WEIGHT:                       | 0.24 lb [.11 kg] cartridge only.         |
| VALVE CAVITY:                 | #C0840, See Page 0–041.0.                |

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