SHUTTLE VALVE TWO-POSITION, THREE-WAY, BALL TYPE.

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

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

BDSV-08 × 3 × 00

BASIC SIZE
08 = 3/4”-16 UNF

SEALS
N = BUNA “N”
V = VITON

STYLE
3 = 3 WAY

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

“Δ” = ALUM. HOUSING
“S” = STEEL HOUSING

L/M (28,5 cSt)

PRESSURE DROP (ΔP)

G.P.M.(135 SUS)

PSI
BAR

Reference: 520-P-040210-EN-00/09.2015
**DESCRIPTION**

This unit is a SCREW IN, CARTRIDGE TYPE, THREE PORTED, TWO POSITION, HYDRAULIC SHUTTLE VALVE.

**OPERATIONS**

This valve senses the higher of the two input pressures port #1 or #3 and routes it to the output port #2.

**FEATURES AND BENEFITS**

A steel ball and a sharp steel seat 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:** 3.0 GPM [12 l/m] nominal. See performance chart.

**INTERNAL LEAKAGE:** 5 drops/min maximum at 5,000 PSI.

**VALVE HOUSINGS:**
- 2500 PSI [175 Bar] = Aluminum - Anodized.
- 5000 PSI [350 Bar] = Steel - Unplated.

**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−0831 FOR BUNA "N".

**SKV−0831 FOR VITON.**

**WEIGHT:** 0.20 lb [.09 kg] cartridge only.

**VALVE CAVITY:** #C0830, See Page 0−031.0.