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

FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-012.1

TORQUE:
Steel = 55/60 Ft-Lb. [74/81 Nm]
Aluminum = 35/40 Ft-Lb. [47/54 Nm]

BDSV-10

BASIC
SIZE
10 = 7/8"-14 UNF
SEALS
N = BUNA "N"
V = VITON
STYLE
2 = 2 WAY

OUTLET PORTS
2B = 1/4" BSPP
4T = SAE - #4

PORTS
0 = CARTRIDGE ONLY
02BX = G 1/4" BSPP
03BX = G 3/8" BSPP
06TX = SAE - #6
08TX = SAE - #8

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

Reference: 520-P-040120-EN-00/09.2015
## BDSV-10

### SHUTTLE VALVE

**TWO-POSITION, TWO-WAY, BALL TYPE.**

### DESCRIPTION

This unit is a SCREW IN, CARTRIDGE TYPE, TWO PORTED WITH EXTERNAL THIRD OUTLET PORT, TWO POSITION, HYDRAULIC SHUTTLE VALVE.

### OPERATIONS

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

### 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]  
INTERNAL LEAKAGE: 5 drops/min maximum at 5,000 PSI.  
5000 PSI [350 Bar] = Steel - Unplated.  
OPERATING TEMPERATURE: $-40^\circ$ to $+250^\circ$ F. [$-40^\circ$ to $+120^\circ$ 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–1022 for buna "N".  
SKV–1022 for viton.  
WEIGHT: 0.19 lb [0.086 kg] cartridge only.  
VALVE CAVITY: #C1020, See Page 0–012.0.