BDSV-10

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

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

FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-032.1
SHUTTLE VALVE
TWO-POSITION, THREE-WAY, BALL TYPE.

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: 6.0 GPM [23 l/m] nominal. See performance chart.
INTERNAL LEAKAGE: 5 drops/min maximum at 5,000 PSI.
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−1031 for buna "n".
SKV−1031 for viton.
WEIGHT: 0.25 lb [.11 kg] cartridge only.
VALVE CAVITY: #C1030, See Page 0−032.0.