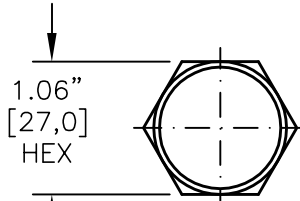
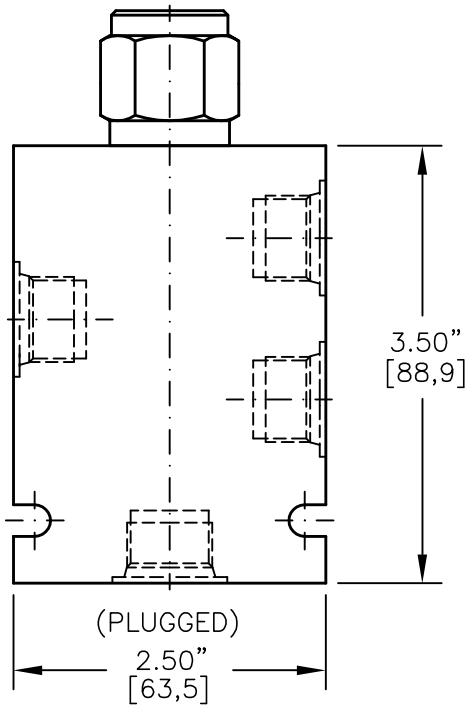
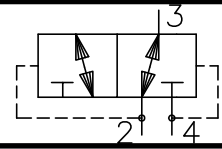
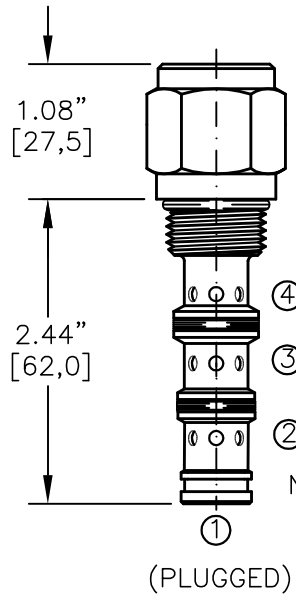




HOT OIL SHUTTLE VALVE SPOOL TYPE, SPRINGLESS.



TORQUE to 55/60 Ft-Lb.
[74/81 N-m]



NO SEAL IN THIS GROOVE.

FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-042.1

HOSV-10-X-X-X

BASIC

SIZE

10 = 7/8"-14 UNF

SEALS

N = BUNA "N"

V = VITON

SPOOL

"C"=SPOOL (CLOSED CENTER SHIFT)

PORTS

0 = CARTRIDGE ONLY

02BX = G 1/4" BSPP

03BX = G 3/8" BSPP

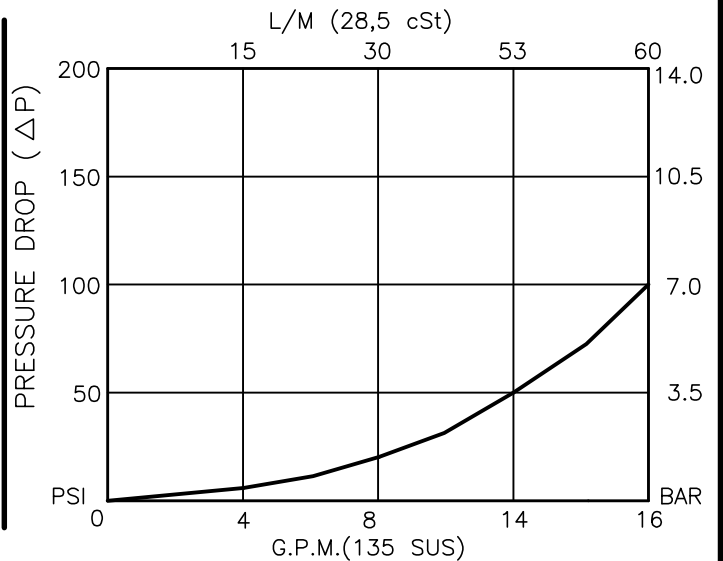
06TX = SAE - #6

08TX = SAE - #8

"A" - ALUM. HOUSING

"S" - STEEL HOUSING

PORT 1 MUST BE PLUGGED.





HOT OIL SHUTTLE VALVE SPOOL TYPE, SPRINGLESS.

DESCRIPTION

This unit is a DIRECT ACTING, SCREW IN CARTRIDGE STYLE, SPOOL TYPE, HYDRAULIC 3-WAY, 2-POS. DIRECTIONAL SHUTTLE VALVE, which may be used on a hydrostatic transmission to direct charge pump oil to heat exchanger or to tank.

OPERATIONS

This valve with its internal pilots at port 2 or port 4 will allow flow to port 3 from the opposite port which is piloted with high pressure, thus removing oil from low pressure side for cooling or filtration purposes. This valve is springless therefore relying solely on the internal pressure signal to shift it to either side. This valve shifts in closed transition.

FEATURES AND BENEFITS

Hardened precision fitted spool & cage provides reliable, long life. A unibody cage construction provides very low hysteresis and reliable operation. 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: 16.0 GPM [60 L/M] nominal. See performance chart.
INTERNAL LEAKAGE: 5 cu.in./min. [85 cc/m].
DEFINITION OF CRACK: evident at 0.06 GPM [0.25 LPM]
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-1040 for buna "N".
SKV-1040 for viton.
WEIGHT: 0.42 lb [.19 kg] cartridge only.
VALVE CAVITY: #C1040, See Page 0-042.0.