3-WAY DIRECTIONAL CONTROL VALVE
SPOOL TYPE, PILOT OPERATED, SPOOL "H".

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

DCPS-10-X-H-X-X-XXX

BASIC
SIZE
10 = 7/8"-14 UNF
SEALS
N = BUNA "N"
V = VITON
SPOOL
"H" = SPOOL
ADJUSTMENT
F = FIXED (FACTORY SET)
S = ADJUSTING SCREW
C = CAPPED
T = TAMPERPROOF
K = HANDKNOB
M = METAL HANDKNOB
FOR ADJUSTMENT CONTROL OPTIONS SEE PAGE 0-050.0

PRESSE R DROP (ΔP)

L/M (28.5 cSt)

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

Reference: 520-P-091420-EN-00/09.2015
**DESCRIPTION**
This unit is a DIRECT ACTING, SCREW IN CARTRIDGE STYLE, SPOOL TYPE, HYDRAULIC 3-WAY DIRECTIONAL CONTROL ELEMENT, requiring remote pilot actuation.

**OPERATIONS**
This valve allows flow from port 3 to port 4 with a spring biased spool. Port 2 is blocked. The spool will shift when piloted at port 1 with sufficient pressure to overcome the spring bias and allow flow from port 3 to port 2. "V" spring chamber is vented to atmosphere. This valve shifts in a closed center position.

**FEATURES AND BENEFITS**
Leakproof screw adjustment.
This valve has a fixed or an adjustable bias spring.
Adjustment screw can not be backed out of the valve.
Overset protection – spring can not go solid.
A unibody cage construction provides reliable, long life.
Hardened precision fitted spool & cage provides reliable, long life.
All external carbon steel parts are plated for longer life against the elements.
Valve is available with fixed, screw, tamperproof, capped and handknob adjustments.
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:** 12.0 GPM [46 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—10452 for buna "N". SKV—10452 for viton.
- **WEIGHT:** 0.46 lb [.21 kg] cartridge only.
- **VALVE CAVITY:** #C1040, See Page 0-042.0.

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