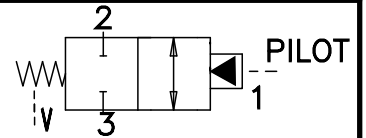
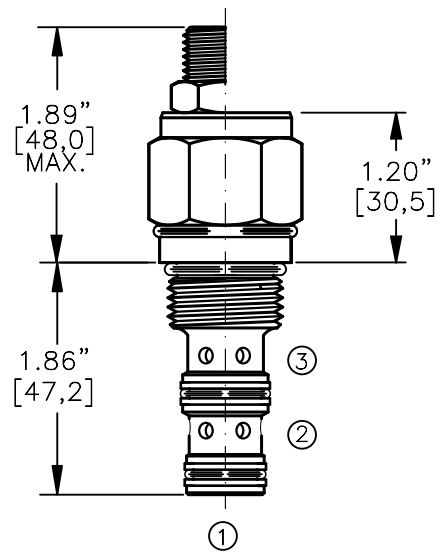
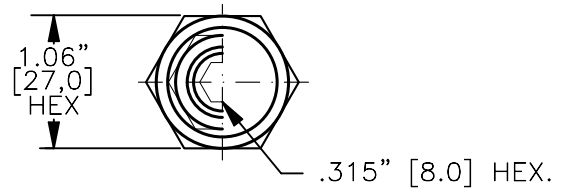
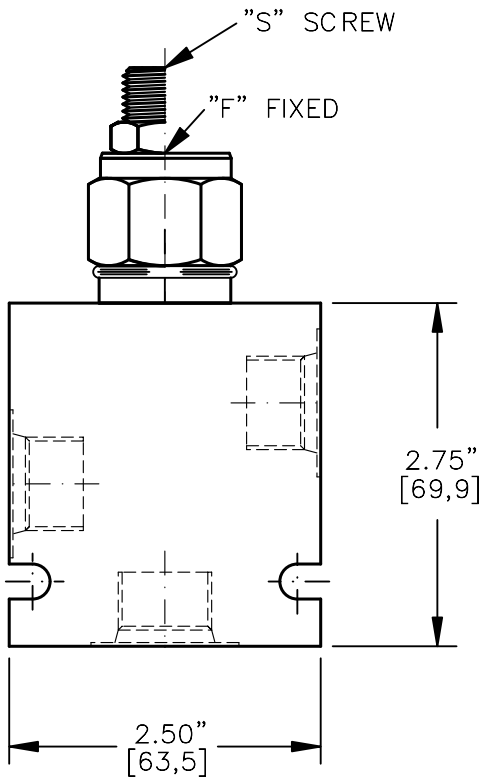


2-WAY DIRECTIONAL CONTROL VALVE  
SPOOL TYPE, PILOT OPERATED, CLOSED.



TORQUE:

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



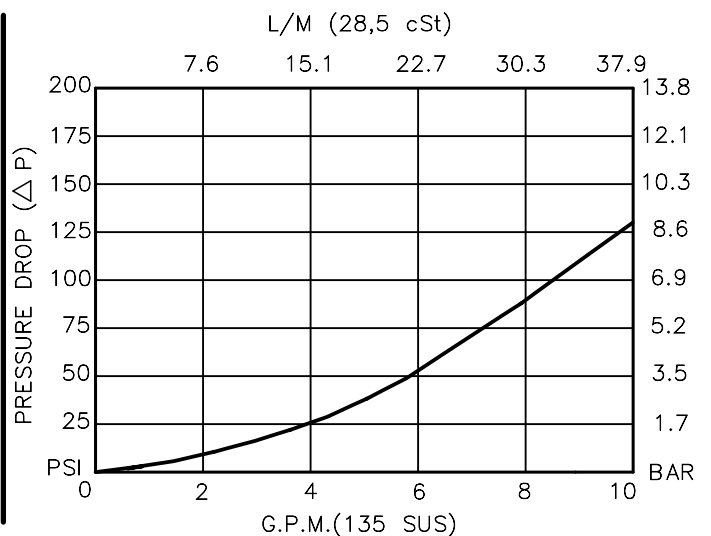
FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-032.1

DCPV-10-X-C-X-X-XXX

- BASIC \_\_\_\_\_
- SIZE \_\_\_\_\_
- SEALS \_\_\_\_\_
- N = BUNA "N"
- V = VITON
- SPOOL \_\_\_\_\_
- CLOSED \_\_\_\_\_
- ADJUSTMENT \_\_\_\_\_
- F = FIXED (FACTORY SET)
- S = ADJUSTING SCREW
- C = CAPPED
- T = TAMPERPROOF
- K = HANDKNOB
- M = METAL HANDKNOB

- PRESSURE BIAS SPRING
- 075 = 75 PSI (FIXED)
- 100 = 100 PSI (FIXED)
- 150 = 150 PSI (FIXED)
- 200 = 75-200 PSI (ADJ.)
- 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

FOR ADJUSTMENT CONTROL  
OPTIONS SEE PAGE 0-050.0



**2-WAY DIRECTIONAL CONTROL VALVE  
SPOOL TYPE, PILOT OPERATED, CLOSED.****DESCRIPTION**

This unit is a DIRECT ACTING, SCREW IN CARTRIDGE STYLE, SPOOL TYPE, HYDRAULIC 2-WAY DIRECTIONAL CONTROL ELEMENT, requiring remote pilot actuation.

**OPERATIONS**

This valve blocks flow between port 3 and port 2 with a spring biased spool. The spool will shift when piloted at port 1 with sufficient pressure to overcome the spring bias and allow flow between port 3 and port 2. "V" spring chamber is vented to atmosphere.

**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.

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.

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: 10.0 GPM [37,8 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-10352 for buna "N".

SKV-10352 for viton.

WEIGHT: 0.46 lb [.21 kg] cartridge only.

VALVE CAVITY: #C1030, See Page 0-032.0.

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www.bucherhydraulics.com/commoncavity

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The information does not relieve users from the duty of conducting their own evaluations and tests. Because the products are subject to continual improvement, we reserve the right to amend the product specifications contained in this catalogue.