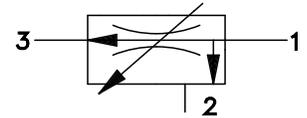


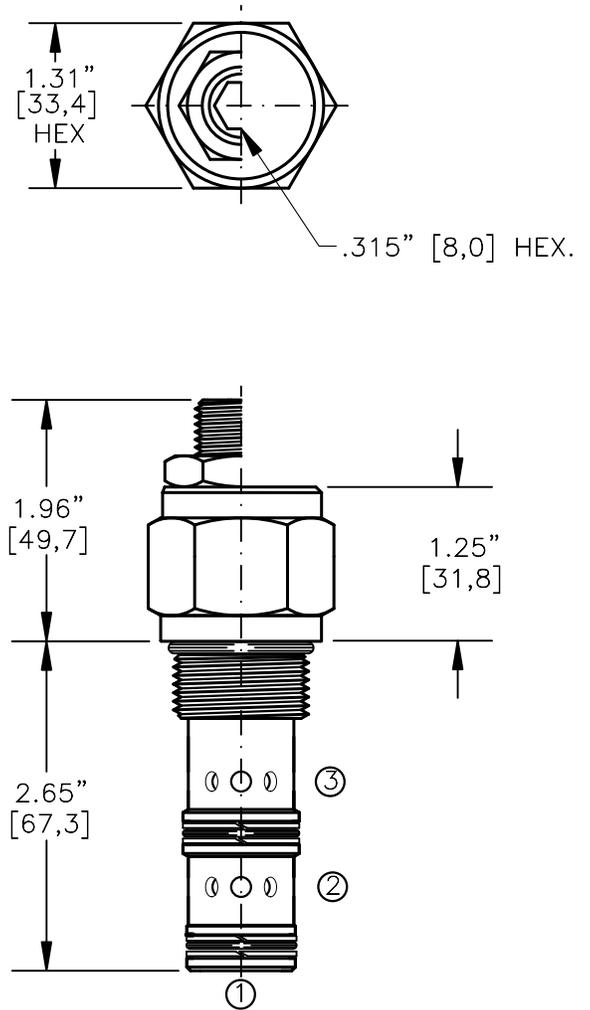
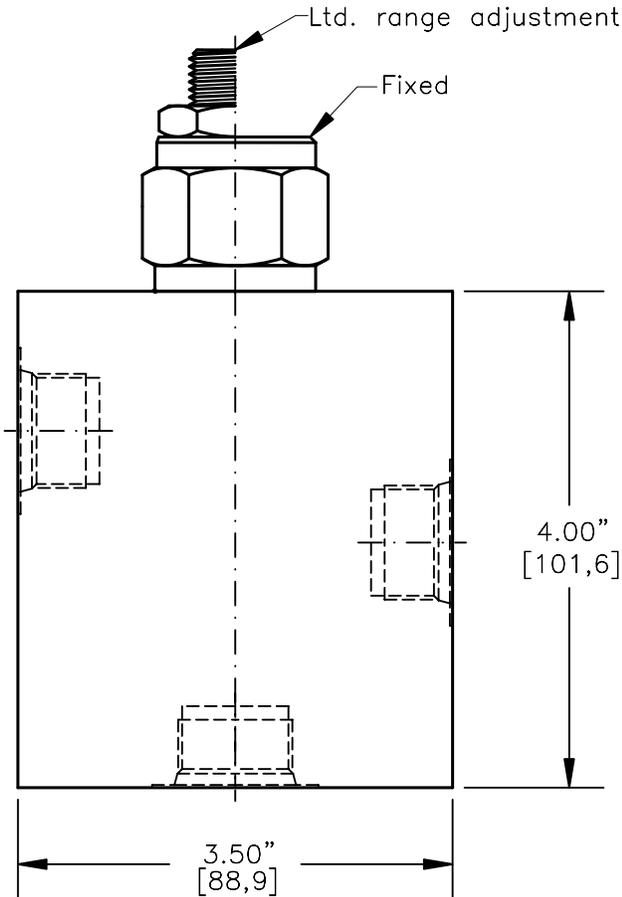
**FLOW CONTROL VALVE PRESSURE
COMPENSATED, FIXED ORIFICE, PRIORITY TYPE.**



TORQUE:

Steel = 70/75 Ft-Lb. [95/102 Nm]

Aluminum = 55/60 Ft-Lb. [74/81 Nm]



FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-033.1

BFCV-12-X-X-X-XX

BASIC

SIZE

12 = 1.062"-12 UNF

SEALS

N = BUNA "N"
V = VITON

ADJUSTMENT

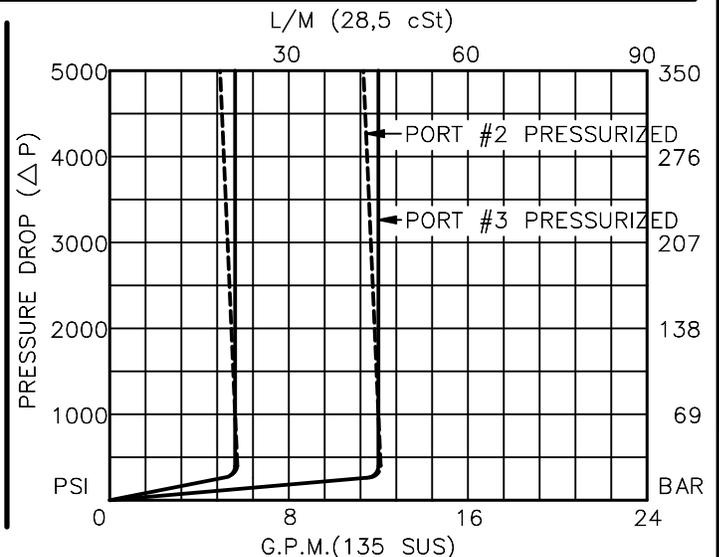
F = FIXED (FACTORY SET)
S = ADJUSTING SCREW
C = CAPPED
T = TAMPERPROOF

REGULATED FLOW
TO BE SPECIFIED
EXAMPLE
1.5=1.5 GPM (5,7l/m)

PORTS

0 = CARTRIDGE ONLY
04BX = G 1/2" BSPP
06BX = G 3/4" BSPP
10TX = SAE - #10
12TX = SAE - #12
"A" - ALUM. HOUSING
"S" - STEEL HOUSING

FOR ADJUSTMENT CONTROL
OPTIONS SEE PAGE 0-050.0



FLOW CONTROL VALVE PRESSURE COMPENSATED, FIXED ORIFICE, PRIORITY TYPE.

DESCRIPTION – FIXED

This unit is a SCREW IN, cartridge type, pressure compensated, fixed orifice, priority type hydraulic flow control valve.

FLOW RANGE: 0.5 TO 16.0 GPM [1,8 TO 60,0 L

DESCRIPTION – ADJUSTABLE

This unit is a SCREW IN, cartridge type, pressure compensated, fixed orifice, 30% flow adjustment, priority type hydraulic flow control valve.

FLOW RANGE: 0.5 TO 20.0 GPM [1,8 TO 76,0 L

Flow adjustment under pressure is difficult.

OPERATIONS

Valve maintains constant flow from port 1 to 3 regardless of system pressure or load and excess flow is diverted to port 2. Flow from port 3 goes thru the control orifice to port 1 at non-compensated flow.

FEATURES AND BENEFITS

Valve is available with a screw, tamperproof or capped adjustment. 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: 0.5 to 20.0 GPM [1,8 to 76,0 l/m] nominal. See performance chart.

FLOW ACCURACY:

0.5 to 4.0 GPM [1,8 to 15,0 L??– 10.0%

4.0 to 12.0 GPM [15,0 to 46,0 L??– 7.5%

12.0 to 20.0 GPM [46,0 to 76,0 L??– 5.0%

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 restrictions.

SEAL KIT: SKN-1232 Buna "N".

SKV-1232 Viton.

WEIGHT: .72 lb [,34 kg] cartridge only.

VALVE CAVITY: #C1230, See Page 0-033.0.

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