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]

BFCV-12

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

FOR ADJUSTMENT CONTROL
OPTIONS SEE PAGE 0-050.0

BFCV-12-X-X-X-XX

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 ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-033.1

Reference: 520-P-020530-EN-00/09.2015
**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%

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.