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

BFCV-08

FOR ADJUSTMENT CONTROL OPTIONS SEE PAGE 0-050.0

BASIC
SIZE
08 = 3/4"-16 UNF
SEALS
N = BUNA "N"
V = VITON
ADJUSTMENT
F = FIXED (FACTORY SET)
S = ADJUSTING SCREW
C = CAPPED
T = TAMPERPROOF
K = HANDKNOB
M = METAL HANDKNOB

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

PORTS
0 = CARTRIDGE ONLY
02BX = G 1/4" BSPP
06TX = SAE - #6
"A" = ALUM. HOUSING
"S" = STEEL HOUSING

TORQUE:
Steel = 35/40 Ft-Lb. [47/54 Nm]
Aluminum = 25/30 Ft-Lb. [34/41 Nm]

L/M (28,5 cSt)

PSI 1000 2000 3000 4000 5000
G.P.M.(135 SUS) 2 4 6 8 10
0 7.6 15.1 22.7 30.3 350
207 138 69

BAR 2000 4000 6000 8000 10000
PORT #2 PRESSURIZED
PORT #3 PRESSURIZED

For aluminum or steel valve housing configurations see page 0-031.1

Reference: S20-P-020510-EN-00/09.2015
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: 0.2 TO 4.0 GPM [0.8 TO 15.1 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: 0.2 TO 6.0 GPM [0.8 TO 22.7 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, capped or knob 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:0.2 to 6.0 GPM [0.8 to 22.7 l/m] nominal. See performance chart.
FLOW ACCURACY:
   0.2 to 1.5 GPM [ 0.9 to 6.0 l/m] – 10.0%
   1.5 to 6.0 GPM [ 6.0 to 22.7 l/m] – 7.5%

               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-0832 Buna "N".
         SKV-0832 Viton.
WEIGHT: .28 lb [.13 kg] cartridge only.
VALVE CAVITY: #C0830, See Page 0-031.0.

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Reference: 520-P-020510-EN-00/09.2015