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

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

BFCV-10-X-X-X-XX

BASIC
SIZE
10 = 7/8"-14 UNF

SEALS
N = BUNA "N"
V = VITON

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

L/M (28.5 cSt)

PRESSURE DROP (ΔP)

PORT #2 PRESSURIZED

PORT #3 PRESSURIZED

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

Reference: 520-P-020520-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 8.0 GPM [0,8 TO 30,0 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: 0.2 TO 12.0 GPM [0,8 TO 45,0 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, 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 12.0 GPM [0,8 to 45,0 l/m] nominal. See performance chart.
FLOW ACCURACY:
  0.2 to 1.5 GPM [ 0.9 to 6.0 L??– 10.0% 
  1.5 to 4.0 GPM [ 6.0 to 15.0 L??– 7.5%
  4.0 to 12.0 GPM [15.0 to 45.0 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-1032 Buna "N".
  SKV-1032 Viton.
WEIGHT: .42 lb [.19 kg] cartridge only.
VALVE CAVITY: #C1030, See Page 0–032.0.