FLOW CONTROL VALVE PRESSURE COMPENSATED, FIXED ORIFICE, PRIORITY TYPE

TORQUE:
Steel = 95/100 Ft-Lb. [129/136 Nm]
Aluminum = 70/75 Ft-Lb. [95/102 Nm]

BFCV-16-X-F-X-XX

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

PORTS
0 = CARTRIDGE ONLY
06BX = 0 3/4" BSPP
08BX = 0 1" BSPP
12TX = SAE - #12
16TX = SAE - #16

"A" = ALUM. HOUSING
"S" = STEEL HOUSING

PRESSURE DROP (ΔP)

L/M (28,5 cSt)

G.P.M.(135 SUS)

FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-034.1

Reference: S20-P-020540-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 30.0 GPM [1.8 TO 114.0 L]

**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 fixed flow setting only. All external carbon steel parts are plated for longer life against the elements. All cartridge valves are 100% functionally tested. Externally removable flow orifice disc. Industry common cavity.

**SPECIFICATIONS**

OPERATING PRESSURE: 5,000 PSI (350 Bar)
PROOF PRESSURE: 10,000 PSI (700 Bar)
FLOW: 0.5 to 30.0 GPM [1.8 to 114.0 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 16.0 GPM [15.0 to 60.0 L] – 7.5%
- 16.0 to 30.0 GPM [60.0 to 114.0 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−1632 Buna “N”.
- SKV−1632 Viton.
WEIGHT: 1.40 lb [.64 kg] cartridge only.
VALVE CAVITY: #C1630, See Page 0−034.0.