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

TORQUE:
Steel = 70/75 Ft-Lb. [95/102 Nm]
Aluminum = 55/60 Ft-Lb. [74/81 Nm]

PCFC-12-X-X-X-XX

BASIC
SIZE
12 = 1.062"-12UNF

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

FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0–013.1

L/M (28.5 cSt)

PRESSURE DROP (ΔP)

G.P.M.(135 SUS)

PSI

BAR

PSI

BAR

Reference: 520-P-020330-EN-00/09.2015
FLOW CONTROL VALVE PRESSURE COMPENSATED, FIXED ORIFICE, RESTRICTIVE TYPE.

DESCRIPTION — FIXED
This unit is a SCREW IN, cartridge type, pressure compensated, fixed orifice, restrictive hydraulic flow control valve.
FLOW RANGE: 0.2 TO 16.0 GPM [0.8 TO 60.0 L

DESCRIPTION — ADJUSTABLE
This unit is a SCREW IN, cartridge type, pressure compensated, fixed orifice, 30% flow adjustment, restrictive hydraulic flow control valve.
FLOW RANGE: 0.2 TO 24.0 GPM [0.8 TO 90.0 L
Flow adjustment under pressure is difficult.

OPERATIONS
Valve maintains constant flow from port 1 to 2 regardless of system pressure or load and non–compensated flow from port 2 to 1 and goes thru the control orifice.

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 24.0 GPM [0.8 to 90.0 l/m] nominal. See performance chart.
FLOW ACCURACY:
  0.2 to 3.0 GPM [0.9 to 12.0 L]?— 10.0%
  3.0 to 8.0 GPM [12.0 to 30.0 L]?— 7.5%
  8.0 to 24.0 GPM [30.0 to 90.0 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—1222 Buna "N".
          SKV—1222 Viton.
WEIGHT: .38 lb [.17 kg] cartridge only.
VALVE CAVITY: #C1220, See Page 0—013.0.

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The information does not relieve users from the duty of conducting their own evaluations and tests. Because the products are subject to continual improvement, we reserve the right to amend the product specifications contained in this catalogue.

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