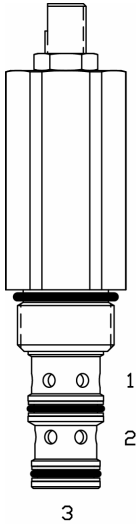## DF-PCT   ADJUSTABLE PRESSURE COMPENSATING VALVE, RESTRICTIVE TYPE
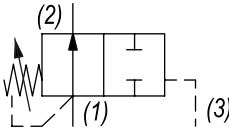
DESCRIPTION
10 size, 7/8-14 thread, "Delta" series, pressure compensating valve, restrictive type.

OPERATION
The DF-PCT with an external orifice in front of port (1) allows pressure compensated flow from (1) to (2), regulated by the pressure present at (3). The spring chamber is constantly vented at (1).
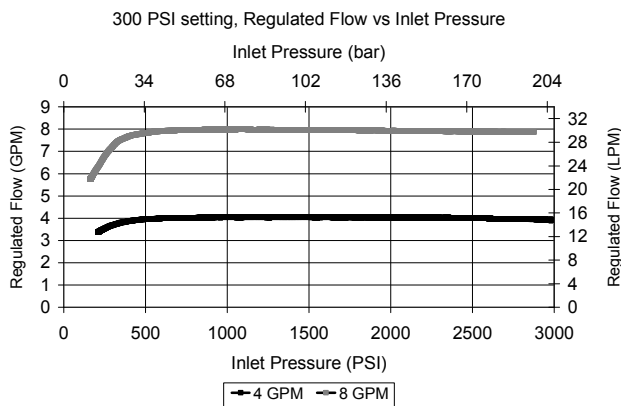
FEATURES
• Hardened parts for long life.
• Industry common cavity.

HYDRAULIC SYMBOL

Can be used as an adjustable logic element. For fixed version see DF-PCS. For higher spring differential pressure ranges consult factory.
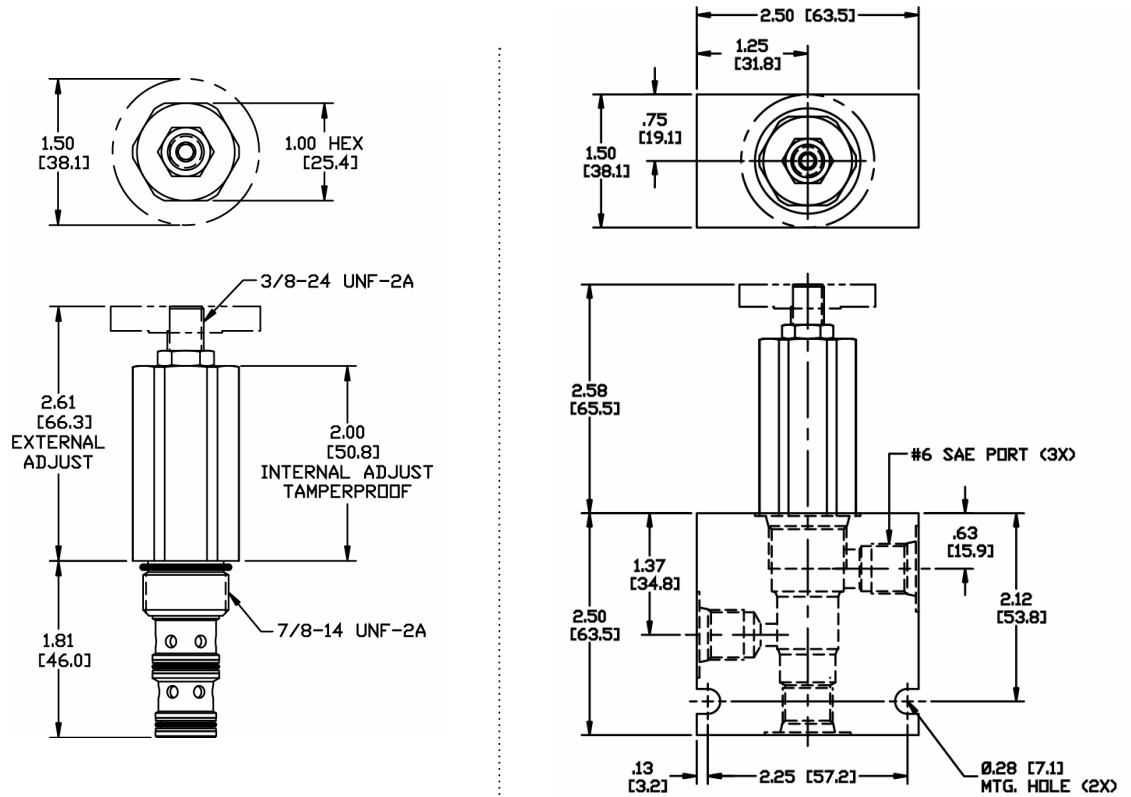
PERFORMANCE

Actual Test Data (Cartridge Only)

300 PSI setting, Regulated Flow vs Inlet Pressure

Inlet Pressure (bar)

Regulated Flow (GPM) / Regulated Flow (LPM) vs Inlet Pressure (PSI)

-■- 4 GPM -■- 8 GPM

VALVE SPECIFICATIONS

Nominal Flow	10 GPM (38 LPM)
Rated Operating Pressure	3500 PSI (241 bar)
Typical Internal Leakage (150 SSU)	5 cu in/min (82 ml/min) per path
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temp. Range	-40° to 250°F (-40° to 120°C)
Weight	.60 lbs (.27 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	30 ft-lbs (40.6 Nm)
Cavity	DELTA 3W
Cavity Form Tool (Finishing)	40500001
Seal Kit	21191210

DIMENSIONS

1.50 [38.1]   1.00 HEX [25.4]

3/8-24 UNF-2A

2.61 [66.3] EXTERNAL ADJUST

2.00 [50.8] INTERNAL ADJUST TAMPERPROOF

7/8-14 UNF-2A

1.81 [46.0]

2.50 [63.5]
1.25 [31.8]
.75 [19.1]
1.50 [38.1]

2.58 [65.5]

#6 SAE PORT (3X)

.63 [15.9]

1.37 [34.8]

2.50 [63.5]

2.12 [53.8]

.13 [3.2]   2.25 [57.2]

0.28 [7.1] MTG. HOLE (2X)

Body Weight: .76 lbs (.35 kg)

ORDERING INFORMATION

DF-PCT – _____ – _____ – _____

OPTIONS
Buna Standard **00**
Viton Standard **V0**
Buna, Knob **0K**
Viton, Knob **VK**
Buna, Internal Adjust **0I**
Viton, Internal Adjust **VI**
Buna, Tamper Proof **0T**
Viton, Tamper Proof **VT**

BODIES
Blank Without Body
N 1/4" NPTF Ports
S #6 SAE Ports

PRESSURE RANGE
0300 50 - 300 PSI

Differential Pressure Across External Controlling Orifice

Tamper Proof
Fill in 4 Digit Pressure Setting
Example: 0200 - 200 PSI