

HDF-PCT ADJUSTABLE PRESSURE COMPENSATING VALVE, RESTRICTIVE TYPE
DESCRIPTION

"High Pressure" 10 size, 7/8-14 thread, "Delta" series, pressure compensating valve, restrictive type.

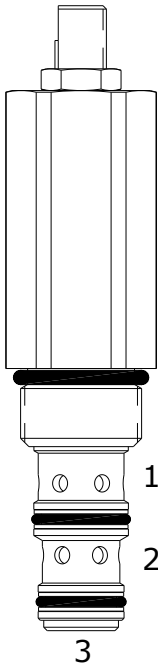
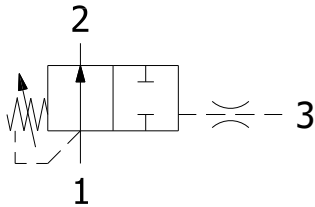
OPERATION

The HDF-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 internally connected to (1).

FEATURES

- Hardened parts for long life.
- Industry common cavity.


HYDRAULIC SYMBOL


Can be used as an adjustable logic element.

For fixed version see HDF-PCS.



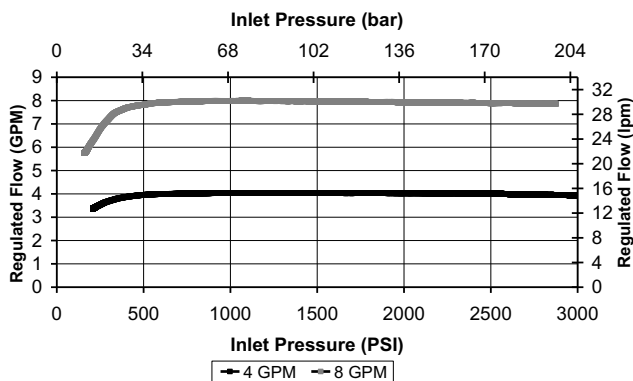
For higher spring differential pressure ranges consult factory.

Installation of this valve does not allow for the use of orifice disks beneath the valve in a standard cavity.

PERFORMANCE

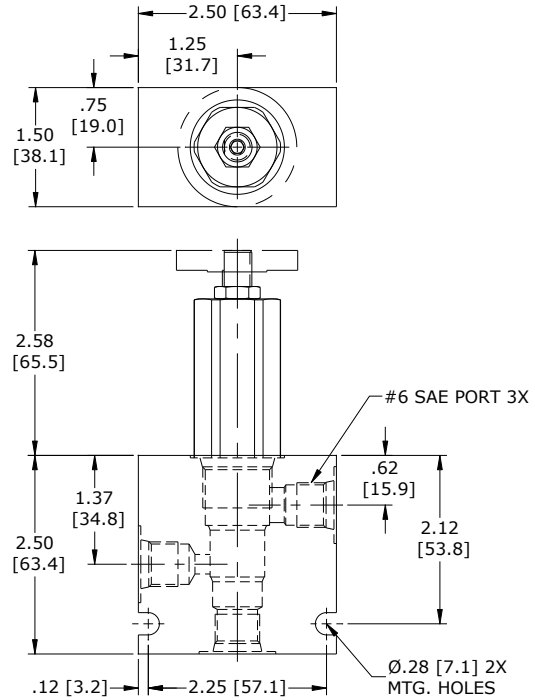
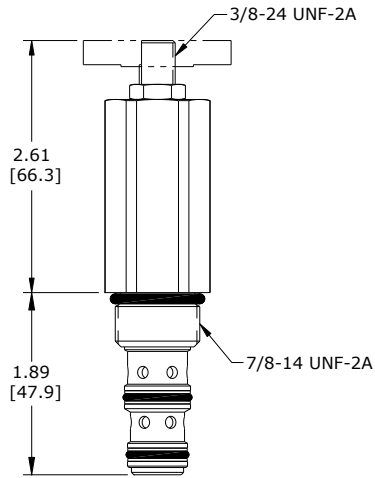
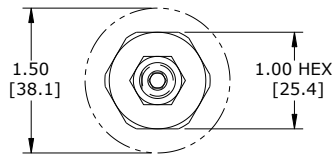
Actual Test Data (Cartridge Only)

300 PSI setting, Regulated Flow vs Inlet Pressure


VALVE SPECIFICATIONS

Nominal Flow	8 GPM (30 LPM)
Rated Operating Pressure	4200 PSI (290 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 Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	0.60 lbs. (0.27 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	40 ft-lbs (54 Nm)
Cavity	DELTA 3W
Cavity Form Tool (Finishing)	40500001
Seal Kit	21191210

DIMENSIONS



BODY WEIGHT: 0.76 Lbs. [0.35 Kg.]

ORDERING INFORMATION

HDF-PCT - - - -

OPTIONS
Buna Standard **00**
Viton Standard **V0**
Buna, Knob **OK**
Viton, Knob **VK**

Blank
N
S

BODIES
Without Body
1/4 NPTF Ports
#6 SAE Ports

Note: Aluminum **NOT** durability rated for 4200 PSI. Consult factory for body options.

0300

PRESSURE RANGE
150-300 PSI

Differential Pressure Across
External Controlling Orifice

WARNING: the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.