

**EDF-PDP 3 WAY 2 POSITION, PILOT OPERATED, PRESSURE REDUCING, RELIEVING VALVE**

**DESCRIPTION**

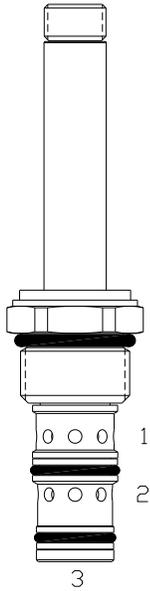
10 size, 7/8-14 thread, "Delta" series, pilot operated, 3 way 2 position, proportional pressure reducing/relieving valve

**OPERATION**

When de-energized and with a passive load at port (3), the EDF-PDP passes sufficient flow from port (2) to port (3) to regulate a minimum pressure of approximately 3-10 Bar (45-145 PSI). With a supplied flow from an external source into port (3) the valve will regulate the minimum pressure as shown on curve below by bypassing flow to port (1).

When energized, the actuator creates a force proportional to the applied current to then determine the pressure that will be regulated at port (3). Oil is supplied from port (2) to port (3) until desired pressure is reached. If pressure at port (3) exceeds desired level, excess oil is vented to port (1) until desired level is reached.

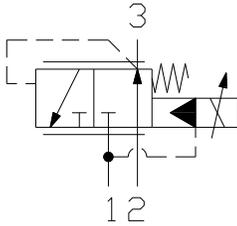
Pressures at port (1) are additive to regulated pressure at port (3).



**FEATURES**

- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Industry common cavity.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.
- Optional "I" Coil: Weatherproof, Thermal Shock, Immersion Safe.

**HYDRAULIC SYMBOL**

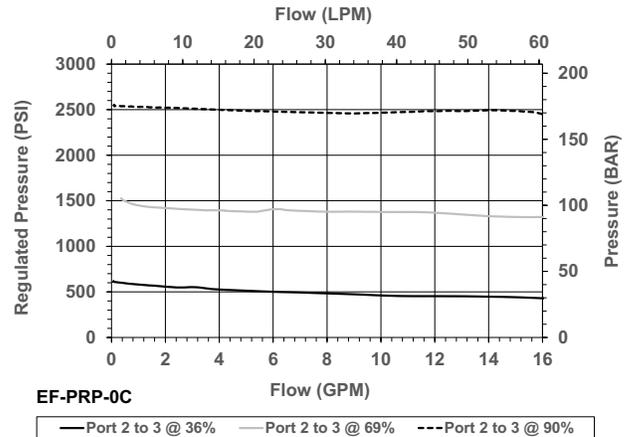
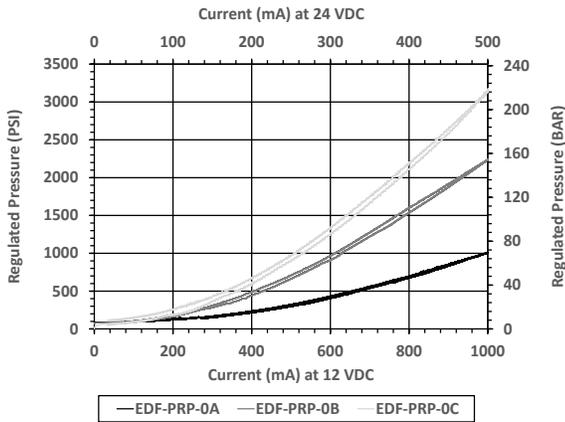


**VALVE SPECIFICATIONS**

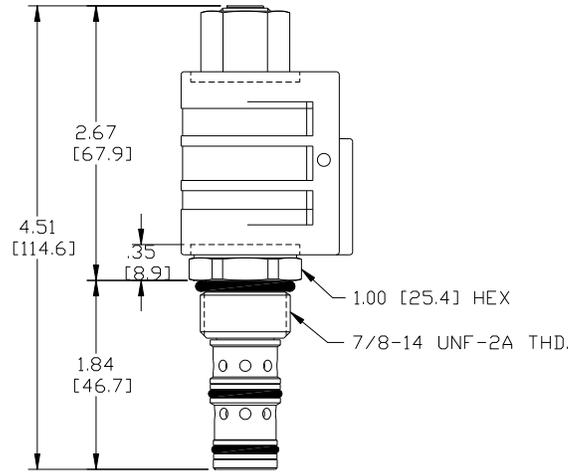
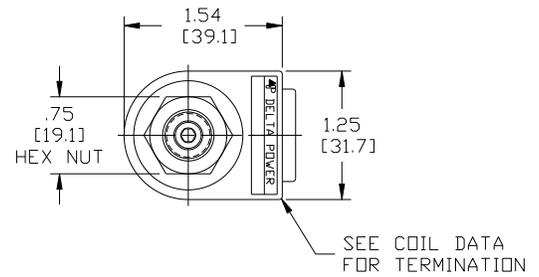
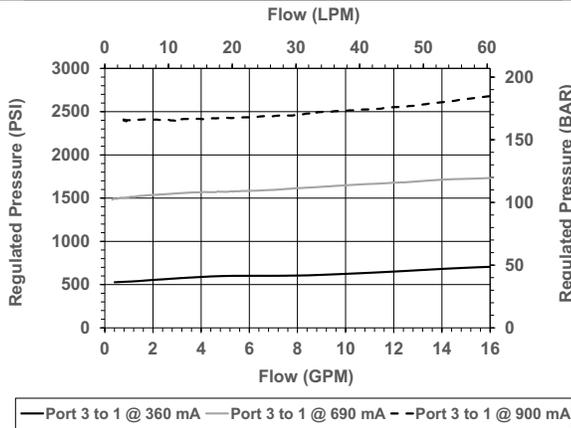
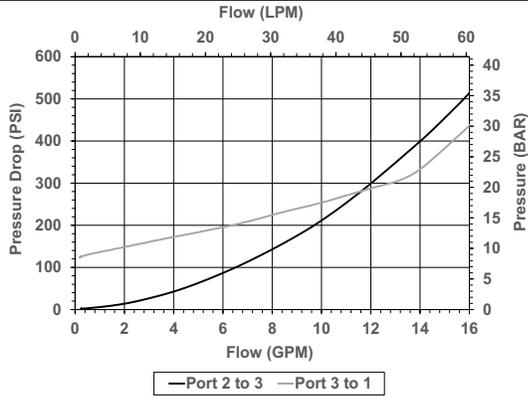
Nominal Flow	12 GPM (45 LPM)
Rated Operating Pressure	3000 PSI (207 bar)
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	0.59 lbs. (0.27 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	30 ft-lbs (40.6 Nm)
Cavity	<a href="#">DELTA 3W</a>
Cavity Form Tool (Finishing)	40500001
Seal Kit	21191206

**PERFORMANCE**

**Actual Test Data (Cartridge Only)**



**DIMENSIONS**



**ORDERING INFORMATION**

**EDF-PDP**

**OPTIONS**

- Buna, 150-1015 PSI range **0A**
- Viton, 150-1015 PSI range **VA**
- Buna, 150-2175 PSI range **0B**
- Viton, 150-2175 PSI range **VB**
- Buna, 150-3000 PSI range **0C**
- Viton, 150-3000 PSI range **VC**

- Blank
- N** 1/4 NPTF Ports
- S** #6 SAE Ports

**VOLTAGE**

- 06** 6 VDC
- 12** 12 VDC
- 24** 24 VDC
- 36** 36 VDC
- 48** 48 VDC
- 25** 24 VAC
- 11** 120 VAC
- 22** 220 VAC
- 44** 440 VAC

**"P" COIL TERMINATION**  
 (All DC Except as Noted)

- DL** Double Lead
- DT** Deutsch on Leads DT04-2P
- ML** Metri-Pack on Leads
- PL** Packard on Leads
- WL** Weatherpack on Leads

- SS** Single Spade
- DS** Double Spade
- HC** DIN 43650 (Hirschman) – (AC & DC)
- CL** Conduit Lead – (AC Only)
- DI** Deutsch – Integral DT04-2P

**Approximate Coil Weight: .30 lbs/.14 kg.**

**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.