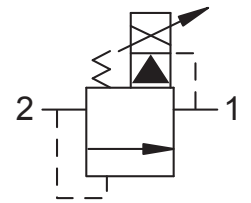


Up to 210 bar - Up to 75 lpm

### Symbol



### Operation

The D-EEPRD blocks flow from (2) to (1) until sufficient pressure is present at (2) to offset the electrically induced solenoid force. Can be infinitely adjusted across a prescribed range using a variable electric input. Pressure output is proportional to DC current input. This valve is intended for use as a pressure limiting device in demanding applications. With no current applied to the solenoid, the valve will free flow from (2) to (1) at approximately 7 bar. Note: Backpressure on port (1) becomes additive to the pressure setting at a 1:1 ratio.

### Features

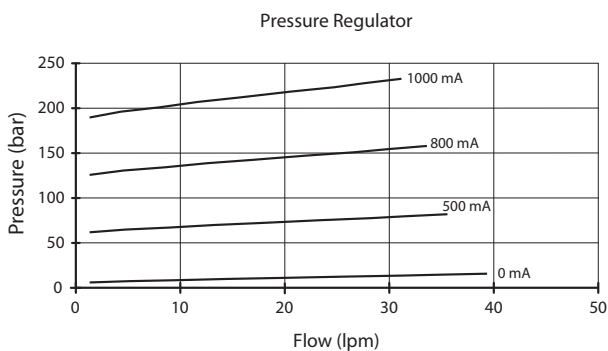
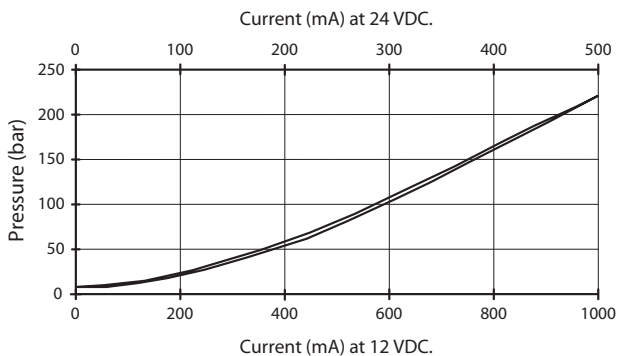
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Industry common cavity.
- Unitised, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.



Uses "P" coil. Consult Factory for I coil performance curves.

For best performance valve must be purged of air. Locate below reservoir or add check valve to return.

### Performance.



### Valve Specifications

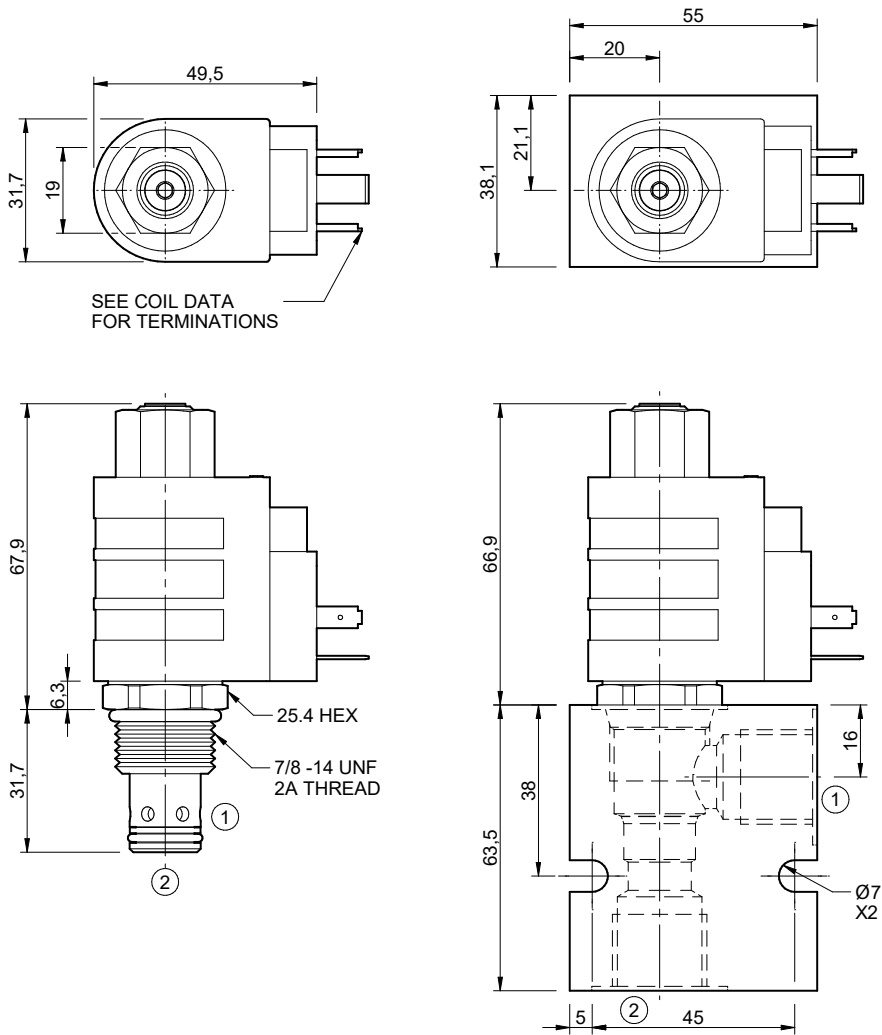
Flow Range (lpm)	0-75
Operating Range (bar)	3-210
Typical Hysteresis	5%
Hydraulic Oil	General purpose hydraulic fluid
Viscosity Range	3 to 640 cSt
Filtration	ISO 18/16/13
Operating Temp.	-40 to 120°C
Cartridge Torque	41 Nm
Coil Nut Torque	5 - 8 Nm
Cavity	DE10-2 (see cavity data page <b>CAV-DE10-2</b> )
Spare Seal Kit (Viton)	SK-DEVHD
Weight - Valve only	0.13 kg
Weight - Cartridge + Coil	0.32 kg
Weight - Cartridge + Coil + Body	0.55 kg (alum) 0.97 kg (steel)

### Coil Specifications

Current Supply	PWM (Pulse Width Modulation)
Rated Current Range	00 - 1000 mA (12 Volts) 500 mA (24 Volts)
PWM or Super-imposed Dither Frequency	200 Hz or higher
Coil Resistance (12 vdc)	7.5 Ohm +/- 5% at 20°C
Coil Resistance (24 vdc)	30.5 Ohm +/- 5% at 20°C

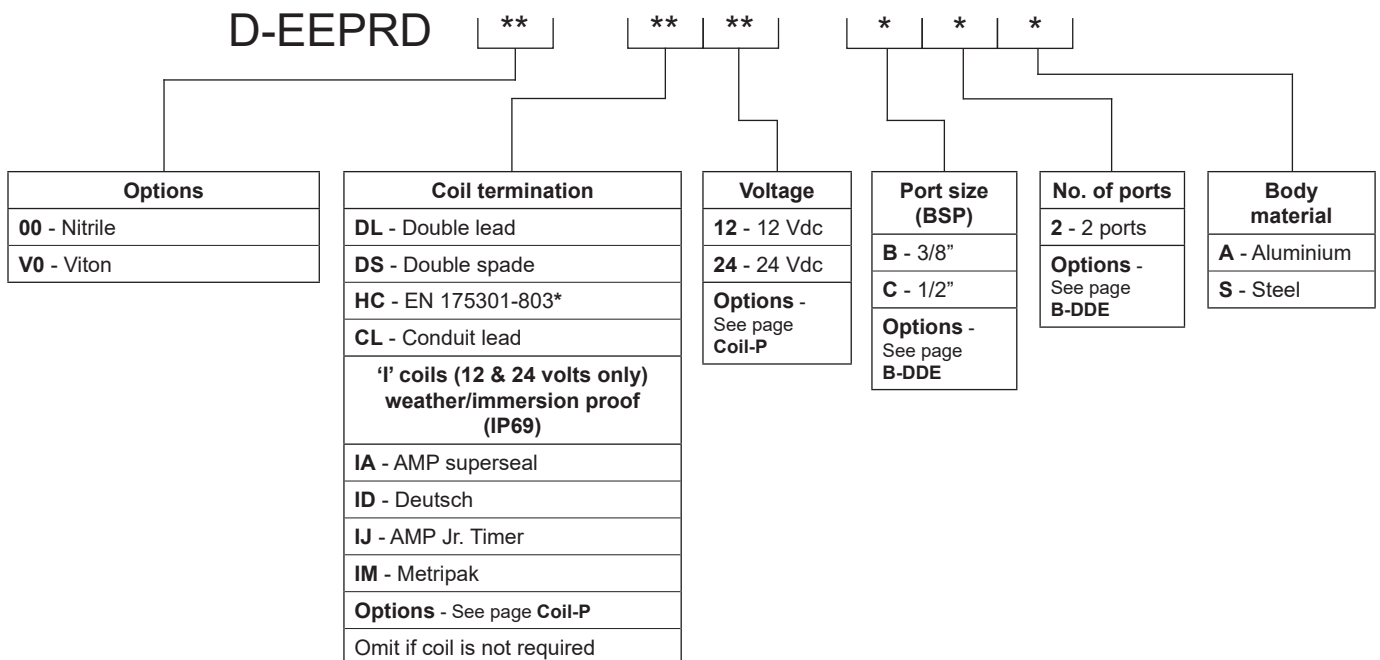
**Dimensions**

[mm]



**Ordering Code**

**D-EEPRD**



\*Formerly DIN 43650 Hirschmann connector.