

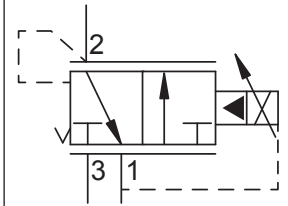
Up to 31 bar - Up to 114 lpm

### Operation

When de-energised the D-ESPRZ allows flow from (2) to (1) and blocks flow at (3).

As current is increased, fluid pressure is proportionally controlled at the regulated port 2. On attainment of proportionally determined pressure at 2, the cartridge shifts to block flow at 3, thereby regulating pressure at 2. In this mode, the valve also will relieve 2 to 1 at a variable value over the set reducing pressure.

### Symbol



### Features

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

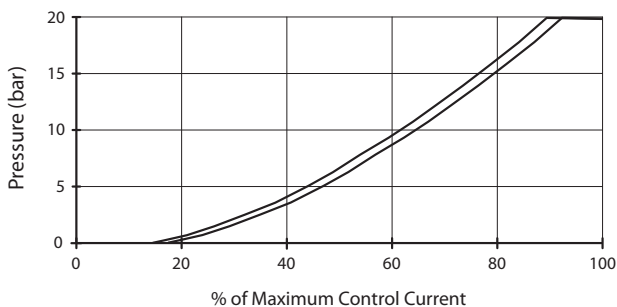


*Note: Low wattage & I coils are available. Consult factory for performance curves.*

*Tank pressure level above zero is additive to the valves expected reduced pressure value.*

### Performance.

Pressure Vs. Current at 21 bar inlet pressure.



### Valve Specifications

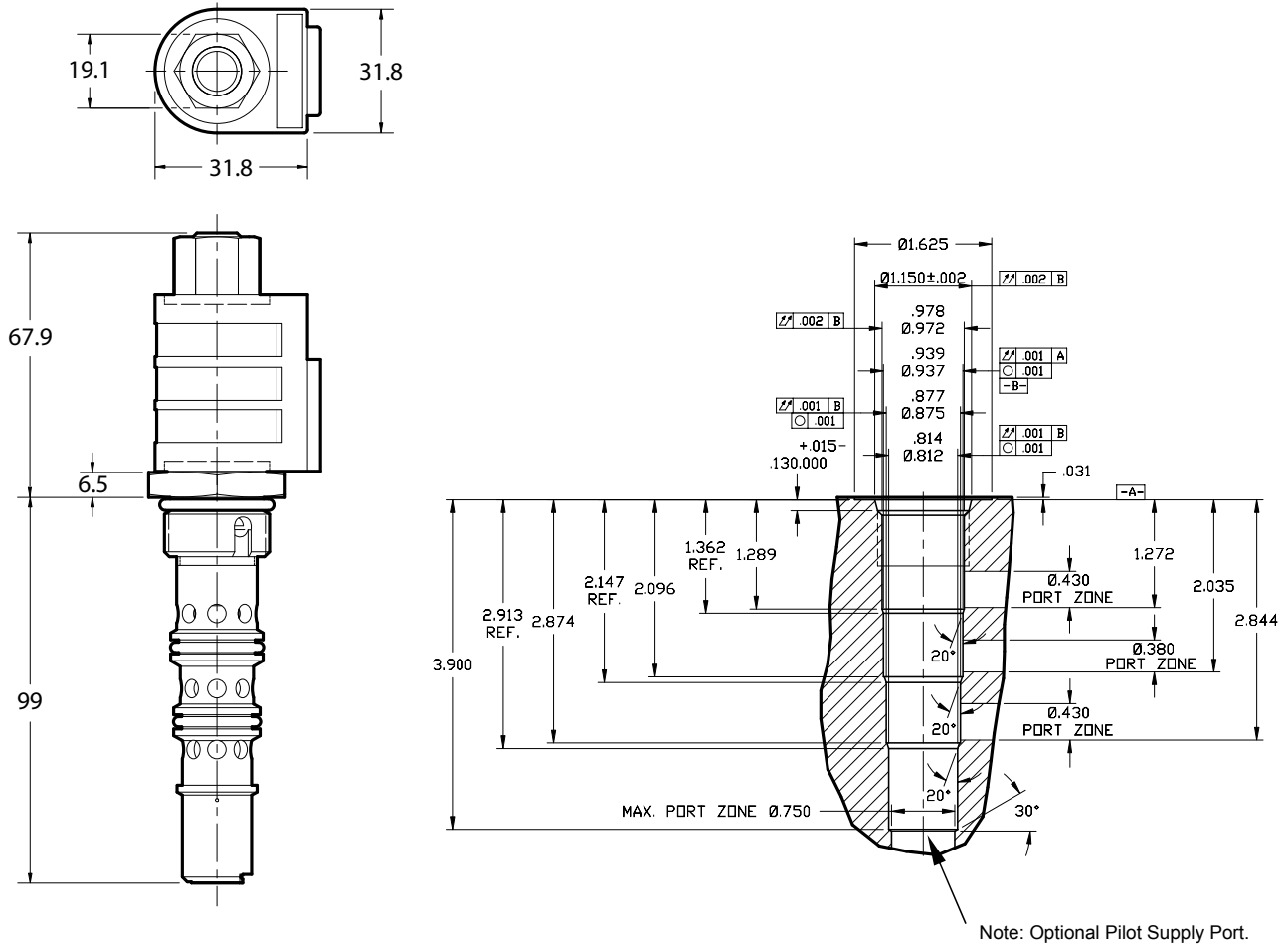
Flow Range (lpm)	114
Max. Pressure (bar)	31
Hydraulic Oil	General purpose hydraulic fluid
Viscosity Range	3 to 640 cSt
Filtration	ISO 18/16/13
Operating Temp.	-40 to 120°C
Cartridge Torque	34 Nm
Coil Nut Torque	5 - 8 Nm
Cavity	ES12-4 (see cavity data page <b>CAV-ES12-4</b> )
Weight - Valve only	0.30 kg

### Coil Specifications

Current Supply	PWM (Pulse Width Modulation)
Rated Current Range	100 - 900 mA (12 Volts) 50 - 450 mA (24 Volts)
PWM or Super-imposed Dither Frequency	150 - 400 Hz
Coil Resistance (12 vdc)	7.5 Ohm +/- 5% at 20°C
Coil Resistance (24 vdc)	30.5 Ohm +/- 5% at 20°C

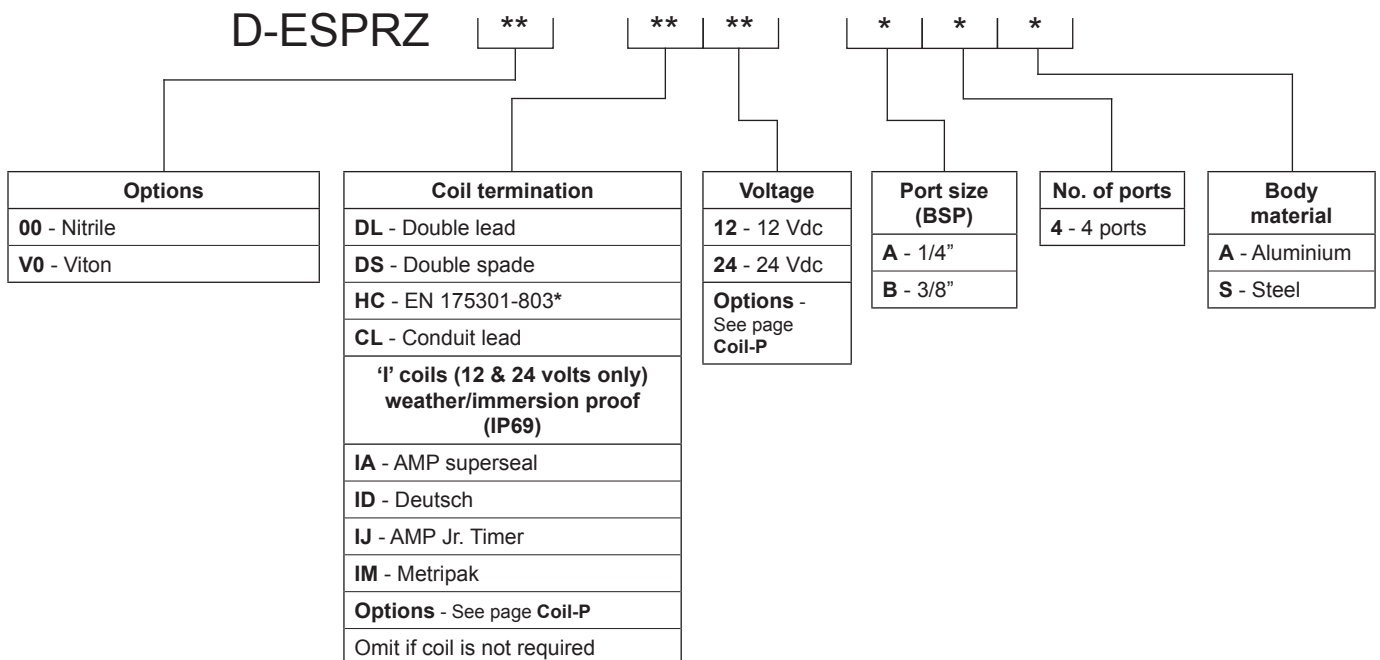
**Dimensions**

[mm]



**Ordering Code**

**D-ESPRZ**



\*Formerly DIN 43650 Hirschmann connector.