Related Fluid Power

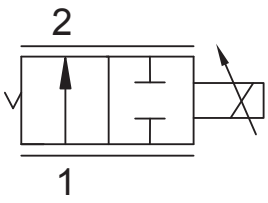
Proportional Flow Control.

2 Way, N.O., Proportional Flow Control Valve - Size 10.

T-EEP2H

Up to 245 bar - Up to 38 lpm

Symbol



Operation

When de-energised the T-EEP2H allows flow from (1) to (2).
When fully energised, the valve blocks flow at port (1) and (2).
Flow is proportional to current applied to the coil. A compensator must be used to create a pressure compensated flow control function.
Manual override options available.

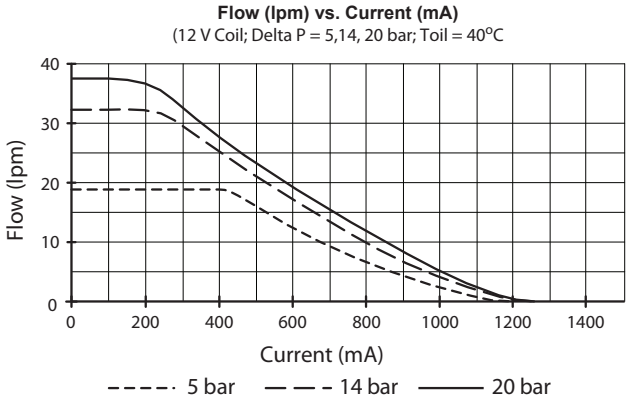
Features

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

Curves are attained with compensator at various settings.

Performance

32 cSc / 38°C.



Valve Specifications

Flow Range (lpm)	see curves
Max. Pressure (bar)	245
Leakage	max 100 cc/min at 245 bar
Hysteresis	+/- 4%
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	35 Nm
Coil Nut Torque	3 - 4 Nm
Cavity	DE10-2 (see cavity data page **CAV-DE10-2**)
Spare Seal Kit (Viton)	SK-DDEVHA
Weight - Valve only	0.26 kg
Weight - Valve + Body	0.49 kg (alum) 0.91 kg (steel)

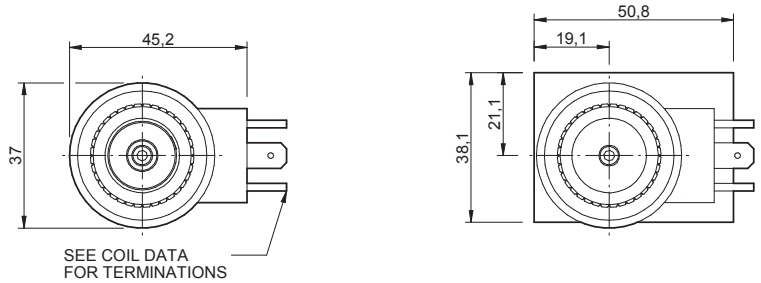
Coil Specifications

Current Supply	PWM (Pulse Width Modulation)
Rated Current Range	100 - 1450 mA
PWM or Super-imposed Dither Frequency	100 - 150 Hz
Coil Resistance	7.2 Ohm +/- 5% at 20°C

Related Fluid Power Ltd. T: 0044 (0)1334 655600 F: 0044 (0)1334 650006 E: sales@relatedfluidpower.com www.relatedfluidpower.com

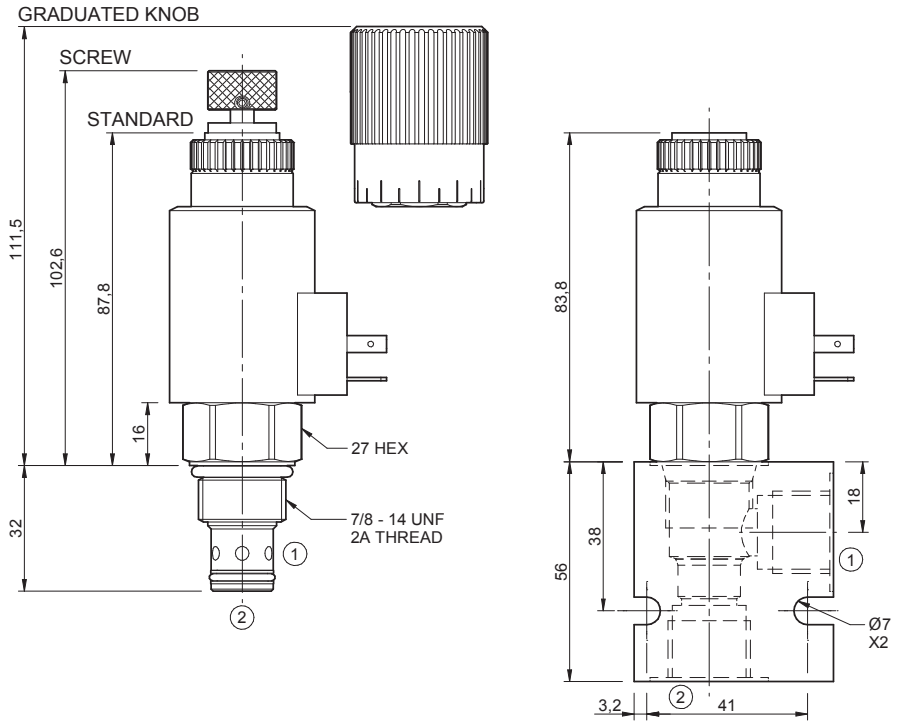
Dimensions

[mm]



To Override

Screw clockwise to close.



Ordering Code

T-EEP2H ** ** ** * * *

Options
0P - Nitrile, push overr.
0S - Nitrile, screw overr.
0K - Nitrile, grad. screw overr.

Coil termination
DL - Double lead
DI - Deutsch - Integral DT04-2P
HC - EN 175301-803*
Options - See page **Coil-F**
Omit if coil is not required

Voltage
12 - 12 Vdc
24 - 24 Vdc
Options - See page **Coil-F**

Port size (BSP)
B - 3/8”
C - 1/2”
Options - See page **B-DDE**

No. of ports
2 - 2 ports
Options - See page **B-DDE**

Body material
A - Aluminium
S - Steel
For pressures over 210 bar use steel.

Notes:

1) For other seals, consult factory.

*Formerly DIN 43650 Hirschmann connector.

Related Fluid Power Ltd. T: 0044 (0)1334 655600 F: 0044 (0)1334 650006 E: sales@relatedfluidpower.com www.relatedfluidpower.com