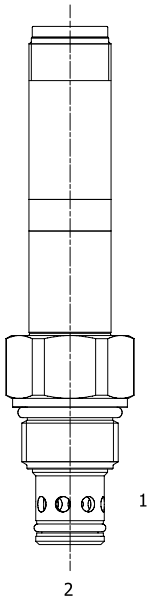


EE-P2G 2 WAY NORMALLY CLOSED, PROPORTIONAL FLOW CONTROL VALVE



DESCRIPTION

10 size, 7/8-14 thread, "Delta" series, solenoid operated, 2 way normally closed, proportional flow control valve.

OPERATION

When de-energized the EE-P2G blocks flow at ports (1) and (2). When energized, the valve allows flow from (2) to (1). Flow is proportional to the current applied to the coil. A compensator must be used to create a pressure compensated flow control function.

OPERATION OF MANUAL OVERRIDE OPTION: to override, turn the manual override screw clockwise. To release turn the manual override screw counterclockwise.

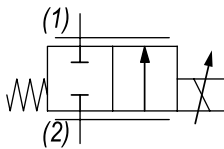
FEATURES

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



Curves are attained with compensator.

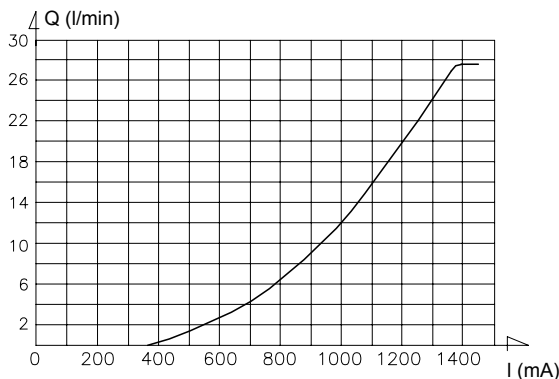
HYDRAULIC SYMBOL



PERFORMANCE

Flow vs. Current - "A" Version

Coil 12 VDC - Delta P = 14 bar - Oil 26 cSt (121 SSU) @ 50°C (104°F)



VALVE SPECIFICATIONS

Flow Range	See curves for various versions
Max System Pressure	3500 PSI (241 bar)
Leakage	Max 50 cc/min at 245 bar
Hysteresis	±3%
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temp. Range	-40°C to 250°F (-40°C to 120°C)
Weight	.58 lbs (.26 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	26 ft-lbs (35 Nm)
Coil Nut Torque Requirements	2-3 ft-lbs (3-4 Nm)
Cavity	DELTA 2W
Cavity Tools Kit (form tool, reamer, tap)	40500000
Seal Kit	21191200

COIL SPECIFICATIONS

Current Supply Characteristics	PWM (Pulse Width Modulation)
Rated Current Range	200-1450 mA
PWM or Super-Imposed	
Dither Frequency	100-150 Hz
Coil Resistance (12 VDC)	7.2 Ohm ±5% at 68°F (20°C)

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.



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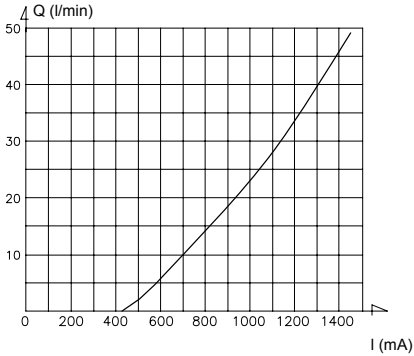


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DIMENSIONS

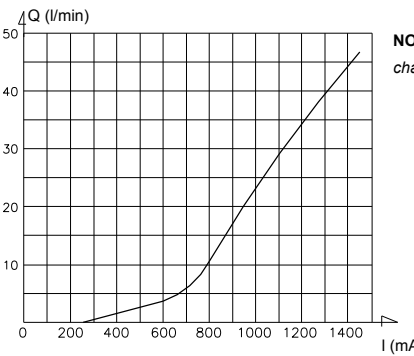
Flow vs. Current - "B" Version

Coil 12 VDC - Delta P = 14 bar - Oil 26 cSt (121 SSU) @ 50°C (104°F)

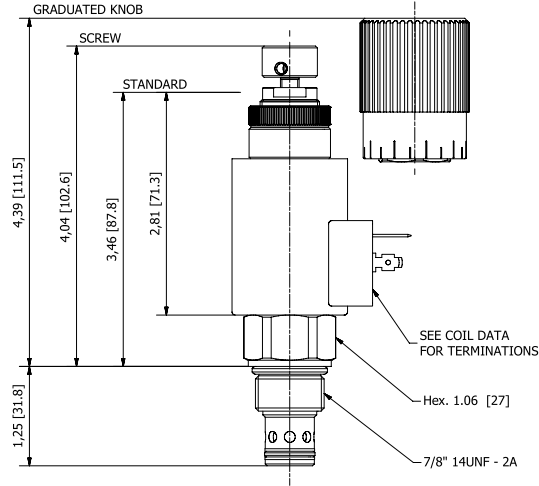
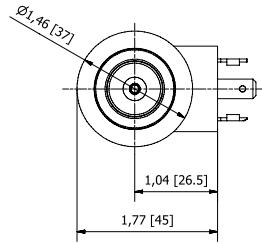


Flow vs. Current - "C" Version

Coil 12 VDC - Delta P = 14 bar - Oil 26 cSt (121 SSU) @ 50°C (104°F)



NOTE: non linear characteristics



(for bodies style and sizes see section "Accessories")

ORDERING INFORMATION

Approximate Coil Weight: .47 lbs (.21 kg)

EE-P2G - - - -

OPTIONS

- Buna, Push Type Override Standard **AP** Up to 22 l/min
- Buna, Screw Type Override (Knob) **AS** Up to 22 l/min
- Buna, Screw Type Override (Grad. Knob) **AK** Up to 22 l/min

- Buna, Push Type Override Standard **BP** Up to 50 l/min
- Buna, Screw Type Override (Knob) **BS** Up to 50 l/min
- Buna, Screw Type Override (Grad. Knob) **BK** Up to 50 l/min

- Buna, Push Type Override Standard **CP** Up to 50 l/min
- Buna, Screw Type Override (Knob) **CS** Up to 50 l/min
- Buna, Screw Type Override (Grad. Knob) **CK** Up to 50 l/min

BODIES

- Blank** Without Body
- S** #8 SAE Ports

VOLTAGE

- 12** 12 VDC
- 24** 24 VDC

"F" COIL TERMINATION

- HC** DIN 43650 (Hirschmann)
- DI** Deutsch-Integral DT04-2P
- JT** AMP Jr. Timer

NOTES: 1) Flows refer to a 14 bar Delta P
2) For other seals, consult factory

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