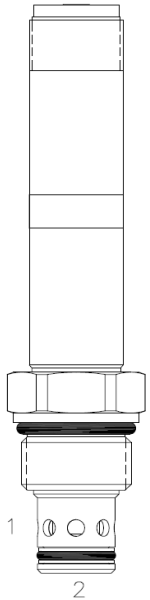## EDE-S2G   2 WAY NORMALLY CLOSED, PROPORTIONAL FLOW CONTROL VALVE

DESCRIPTION
10 size, 7/8-14 thread, "Delta" series, solenoid operated, 2 way normally closed, proportional flow control valve.
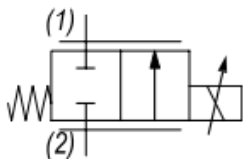
OPERATION
When de-energized the EDE-S2G blocks flow at ports (1) and (2).

When energized, the valve allows flow from (2) to (1). Flow is proportional to current applied to the coil. A compensator must be used to create a pressure compensated flow control function.
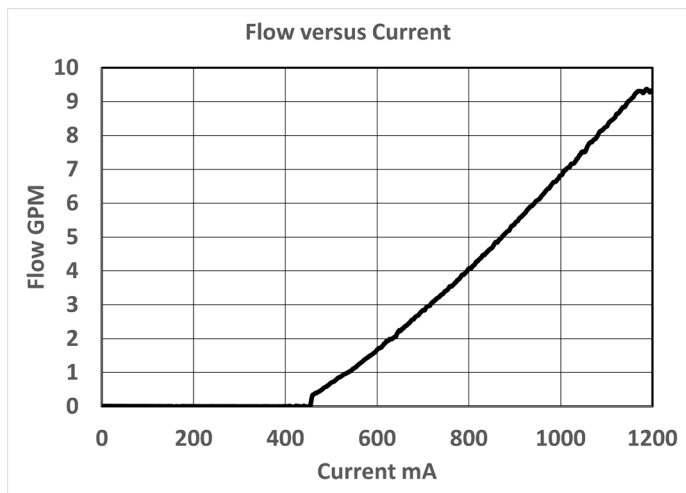
FEATURES
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Industry common cavity.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.

HYDRAULIC SYMBOL

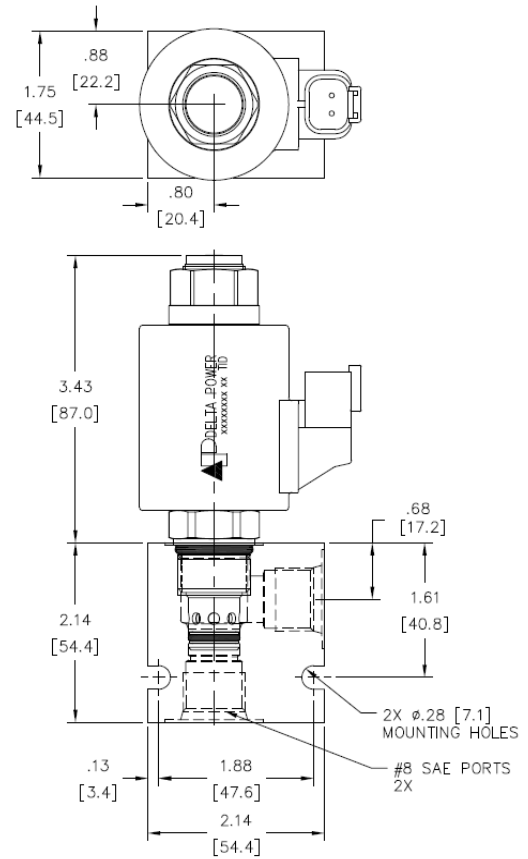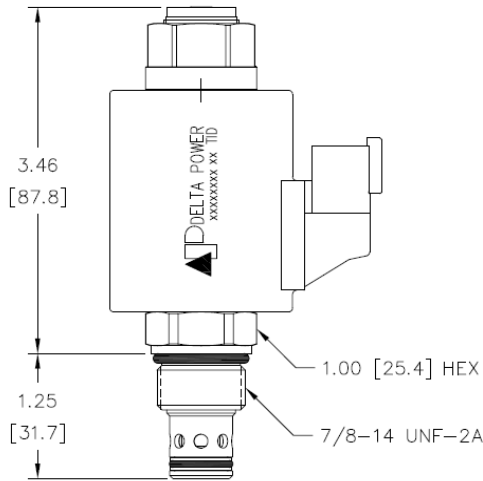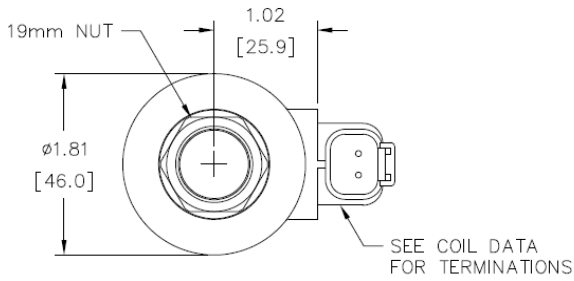Requires use of a compensator to give pressure compensated flow control function.

100-150 Hz PWM or 100-200 Hz Dither Frequency Recommended

Consult Factory for other coil options. (Note: "T" coil alters valve performance)

PERFORMANCE

Flow versus Current

(Graph: X-axis "Current mA" from 0 to 1200; Y-axis "Flow GPM" from 0 to 10)

VALVE SPECIFICATIONS

Flow Range	10 GPM (38 LPM)
Max Operating Pressure	3500 PSI (241 bar)
Curve PSID	200 PSI (14.2 bar)
Max Differential Pressure	350 PSI (24 bar)
Hysteresis Typical	±3% (100-150 Hz PWM)
Threshold Typical	20% to 40% of Rated Current
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-22° to 212° F (-30° to 100° C)
Weight	.58 lbs. (0.26 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	30 ft-lbs (40.6 Nm)
Coil Nut Torque Requirements	4-6 ft-lbs (5-8 Nm)
Cavity	DELTA 2W
Cavity Form Tool (Finishing)	40500000
Seal Kit	21191200

W51 / 2-2023

Delta Power Company

4484 Boeing Drive Rockford, IL 61109 • USA • Phone +1 (815) 397-6628 • Fax +1 (815) 397-2526
mail: delta@delta-power.com • **www.delta-power.com**

Delta Power Company

DIMENSIONS

ORDERING INFORMATION

EDE-S2G - ____ - ____ - ____ - ____

OPTIONS
Buna Standard	**00**
Viton Standard	**V0**

BODIES
Blank	Without Body
N	3/8 NPTF Ports
S	#8 SAE Ports

VOLTAGE
12	12 VDC
24	24 VDC

IMMERSION PROOF "T" COIL

IA	"I" Coil AMP Superseal - Integral
ID	"I" Coil Deutsch - Integral

Approximate Coil Weight: .80 lbs. (0.36 kg.)