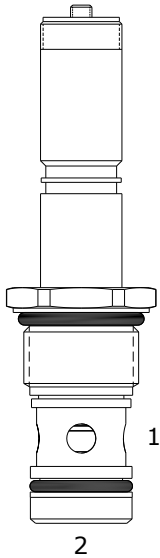


**ETT-S2A 2 WAY NORMALLY CLOSED, PROPORTIONAL FLOW CONTROL VALVE**



**DESCRIPTION**

12 size, 1 1/16-12 thread, "Twelve" Series, solenoid operated, 2 way normally closed, poppet style, proportional flow control valve.

**OPERATION**

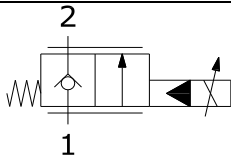
When de-energized the ETT-S2A blocks flow from port (1) to (2) and allows reverse flow from (2) to (1).

When energized, the valve allows flow from (1) to (2). 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.

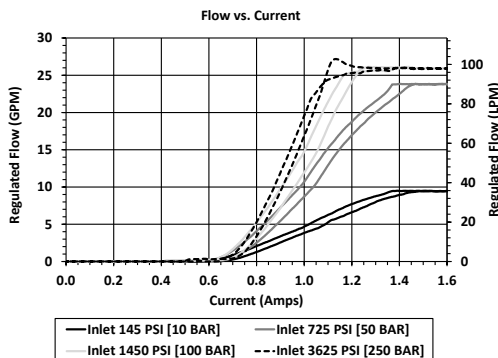
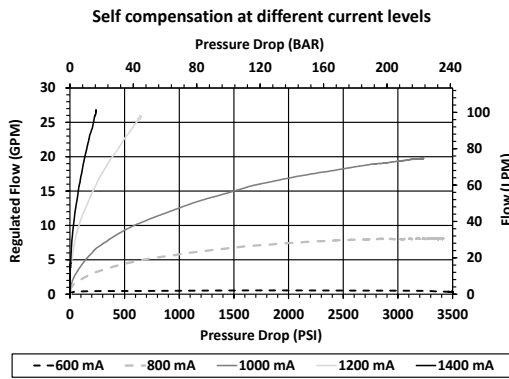
**HYDRAULIC SYMBOL**



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

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

**PERFORMANCE**



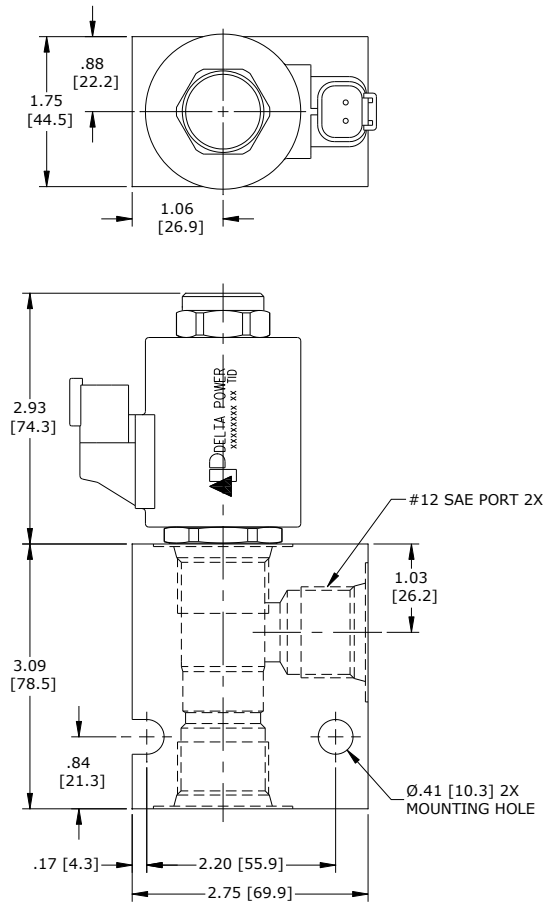
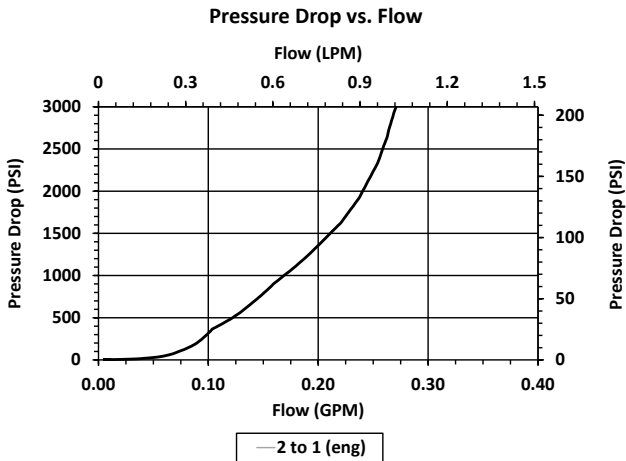
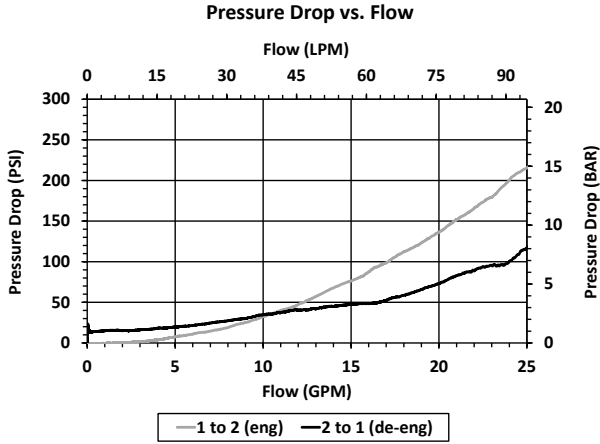
**VALVE SPECIFICATIONS**

Flow Range	25 GPM (95 LPM)-See Curves
Max Differential Pressure	3500 PSID (241 bar)-See Curves
Flow Performance	See Curves
Max System Pressure	3650 PSI (250 bar)
Hysteresis	±3% (with 100-150 Hz Dither)
Threshold	35% to 55% of Full 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	0.72 lbs. (0.32 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	70 ft-lbs (95 Nm)
Coil Nut Torque Requirements	4-6 ft-lbs (6-8 Nm)
Cavity	<a href="#">TWELVE 2W</a>
Cavity Form Tool (Finishing)	40500032
Seal Kit	21191300

WS1 / 2-2023

**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.

**DIMENSIONS**



**ORDERING INFORMATION**

**ETT-S2A**

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

**BODIES**  
 Without Body  
 #12 SAE Ports  
**S**

**VOLTAGE**  
 12  
 24  
 12 VDC  
 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.)**

**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.