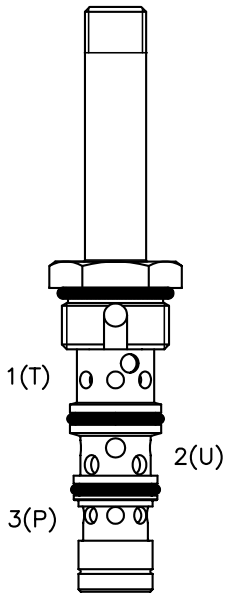


EG-TRZ-42-H PILOT OPERATED PROPORTIONAL, PRESSURE REDUCING/RELIEVING



DESCRIPTION

Special cavity, 7/8-14 thread, pilot operated proportional pressure reducing/relieving valve.

OPERATION

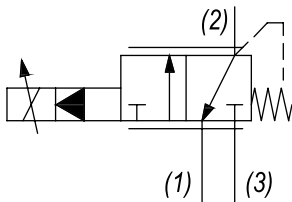
The EG-TRZ-42-H generates a variable pressure in response to a PWM (Pulse Width Modulated) current signal. With no current applied to the proportional solenoid, the inlet port 3 (P) is blocked and the regulated port 2 (U) is vented to port 1 (T).

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

FEATURES

- Hardened parts for long life.
- Efficient wet-armature construction.
- Unitized valve/coil.
- Continuous duty rated solenoid.

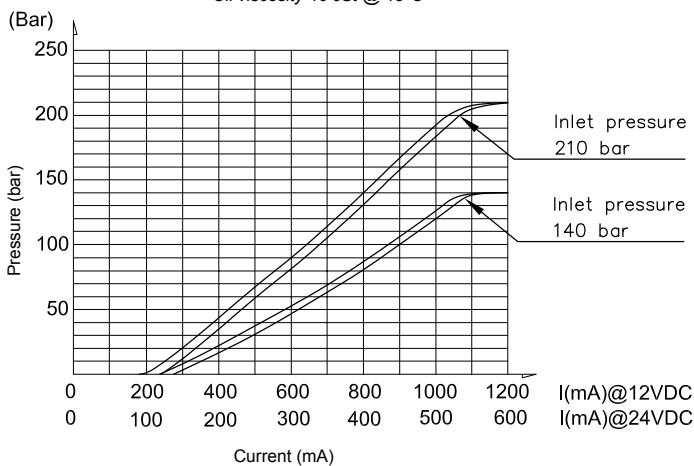
HYDRAULIC SYMBOL



PERFORMANCE

Pressure vs. Current characteristic

Oil viscosity 46 cSt @ 45°C



VALVE SPECIFICATIONS

Nominal Flow	7.9 GPM (30 LPM)
Max Inlet Pressure	3500 PSI (241 bar)
Controlled Pressure Range	(see graph)
Max Internal Leakage	1500 ml/min @ 200 bar inlet pressure
Max Back-Pressure at T Port	20 bar
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/15/13
Media Operating Temp. Range	-30°C / +100°C
Weight	.63 lbs (.29 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	16 ft-lbs (30 Nm)
Coil Nut Torque Requirements	1-2 ft-lbs (2-3 Nm)
Cavity	T042
Cavity Tools Kit (form tool, reamer, tap)	K-T042

COIL SPECIFICATIONS

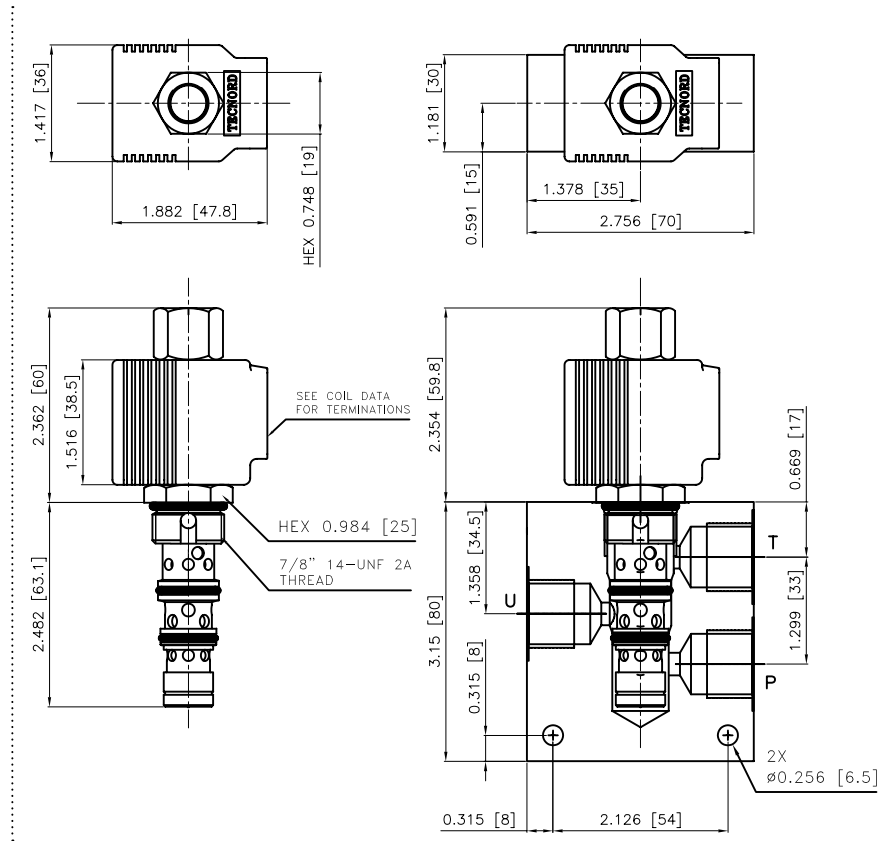
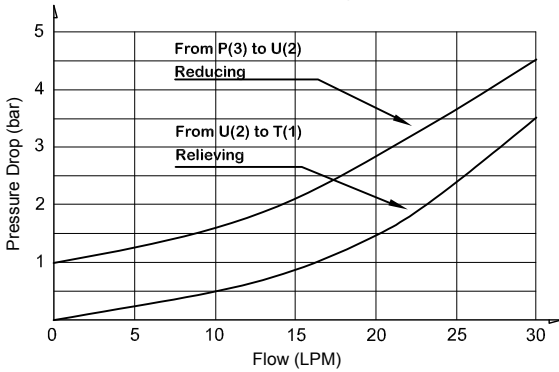
Current Supply Characteristics	PWM (Pulse Width Modulation)
Rated Current Range	100-1200 mA with 12 VDC Coil 50-600 mA with 24 VDC Coil
PWM or Super-Imposed	
Dither Frequency	150-200 Hz
Coil Resistance	6.85 Ohm ±5% at 68°F (20°C) 12 VDC 27 Ohm ±5% at 68°F (20°C) 24 VDC
Max Power Consumption	21 Watt

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

Pressure Drop vs. Flow characteristic

Oil viscosity 46 cSt @ 45°C



ORDERING INFORMATION

Approximate Coil Weight: .42 lbs (.19 kg)

EG-TRZ-42-H	-	-	-	-	-
MAX REGULATED PRESSURE	OPTIONS	"PJ" COIL TERMINATION	VOLTAGE	BODIES	
140 bar	00 - Polyurethane Standard	JH - DIN 43650 (Hirschmann)	12 - 12 VDC	Blank - Without body	
210 bar		JA - AMP Superseal	24 - 24 VDC	N - 3/8" BSP Ports	
		JD - Deutsch DT04-2P			
		JJ - AMP Jr. Timer			