

# GOTEC

## ETG 50,100 & 150 Miniature Piston Pumps

Solenoid Operated, Flow to 90 L/H (23.8 GPH)

Pressure to 14.5 Bar (210 PSI)

### DESCRIPTION

Model ETG 50, 100 and 150 pumps are the same dimensionally but vary in terms of pressure delivery and flow characteristics. These pumps are a great solution for low volume liquid pumping applications. A range of wetted materials are available making the pumps suitable for many fluid transfer applications.

The pumps are self priming.

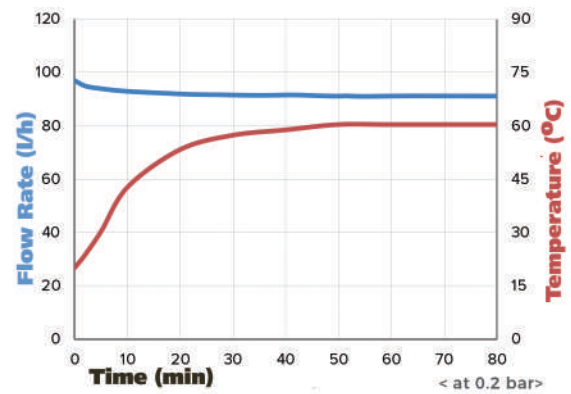
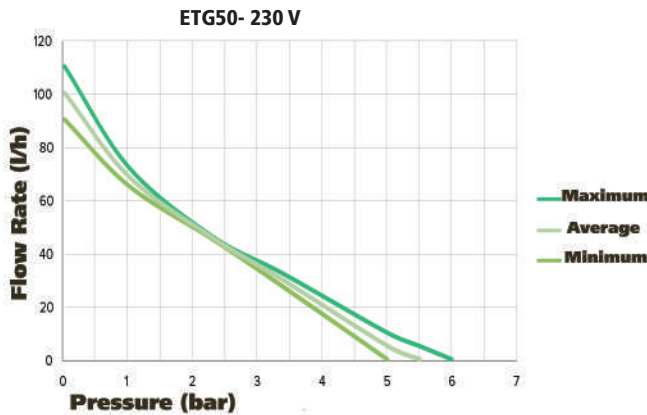


### SPECIFICATIONS

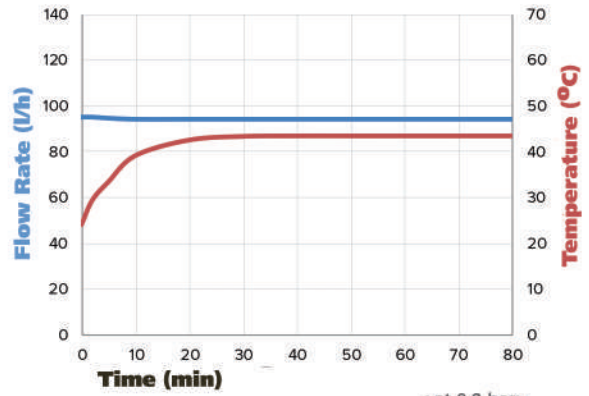
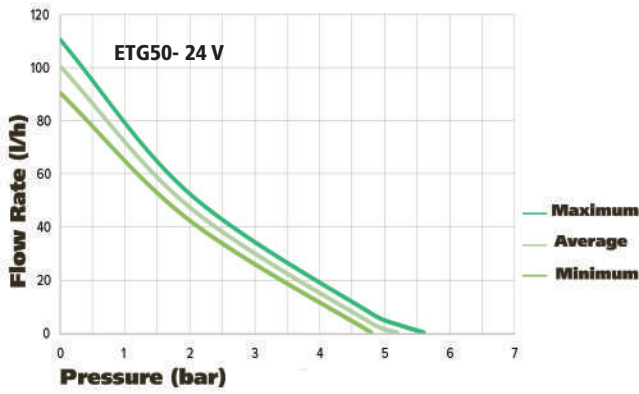
	ET50	ET100	ET150
Pump Piston	Chrome coated AISI 431 SS		
Pump Spring	AISI 316 SS		
Pump End Connections	AISI 303 SS w/G1/8 female thread or POM w/7.5 mm O.D.barb		
Valve/Seal Material	NBR		
Max Pressure	5 Bar (72.5 PSI)	10 Bar (145 PSI)	14.5 Bar (210 PSI)
Max Flow	90L/H (23.8 GPH)	35 L/H ( 9.25 GPH)	30 L/H (7.93 GPH)
Suction Height	2 m (6.56 ft)	2 m (6.56 ft)	1 m (3.28 ft)
Viscosity	1...600 mm <sup>2</sup> /s		
Particle Tolerance	100 Mesh		

	ET50	ET100	ET150
Supply Voltage	24, 110, 230VAC, diode rectified		
Frequency	50/60 Hz		
DC Operation	Optional model PD-106 DC driver board		
Power Consumption	45 W		
Weight	560 g		
Insulation	Class H-100% ED / 20 [°C] Class 2		
Operating Factor	100% continuous@ 68°F		
Electrical Connections	2 x 6.3 mm (1/4")x 0.8 mm spade		
Ambient/Process Temperature Range	1 to 50°C (33.8 to 122°F)		
Options	G1/8 to 1/8" NPT male adapter; Mounting Bracket		

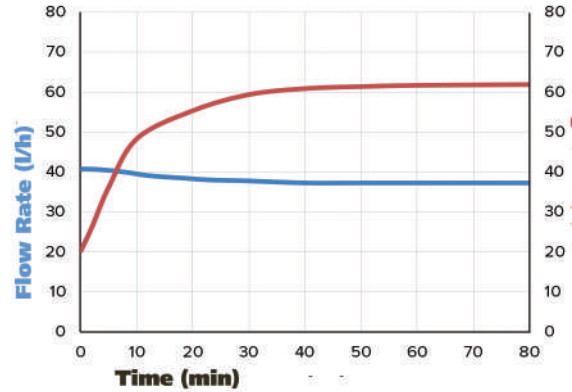
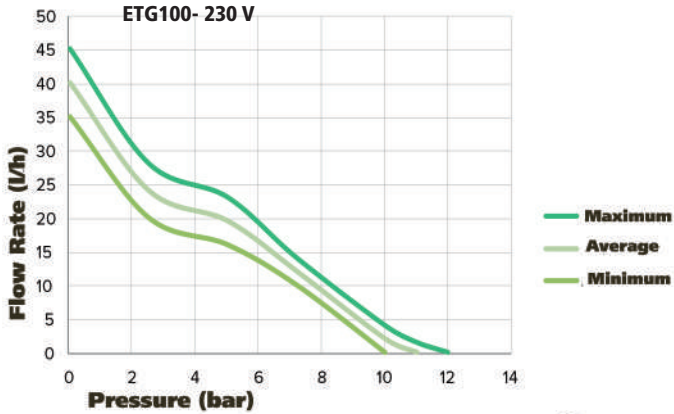
### FLOW CURVES- PERFORMANCE AND AFFECT OF COIL TEMPERATURE RISE ON FLOW RATE



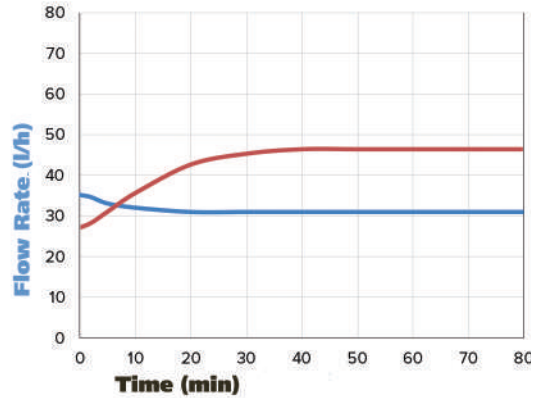
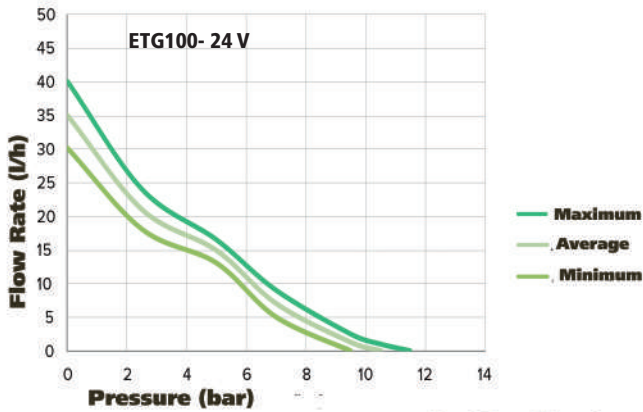
Tested with 20°C of water at ambient temperature



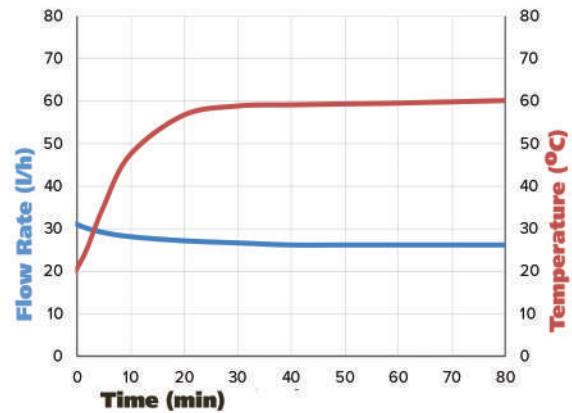
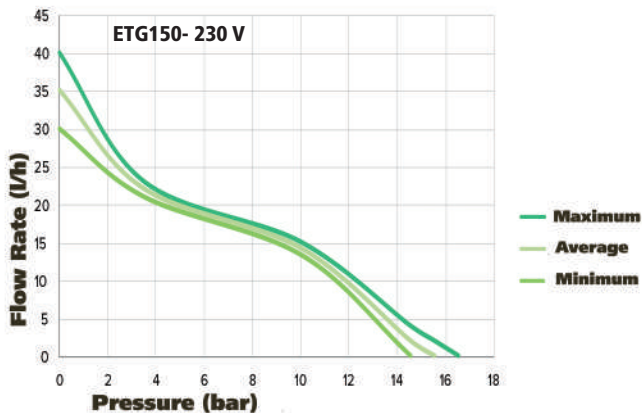
**Tested with 20°C of water at ambient temperature**



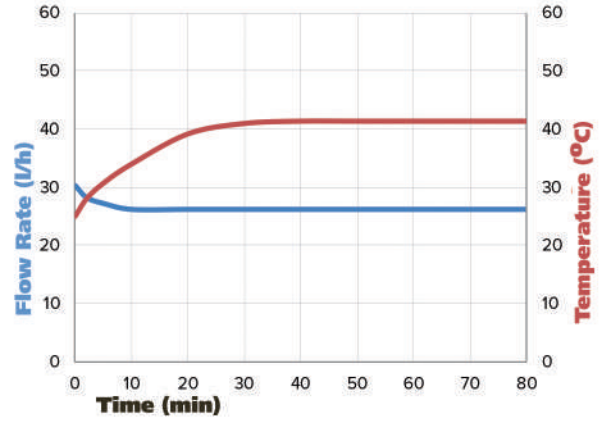
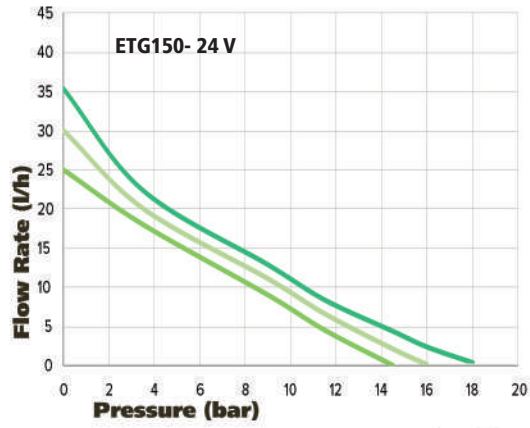
**Tested with 20°C of water at ambient temperature**



**Tested with 20°C of water at ambient temperature**

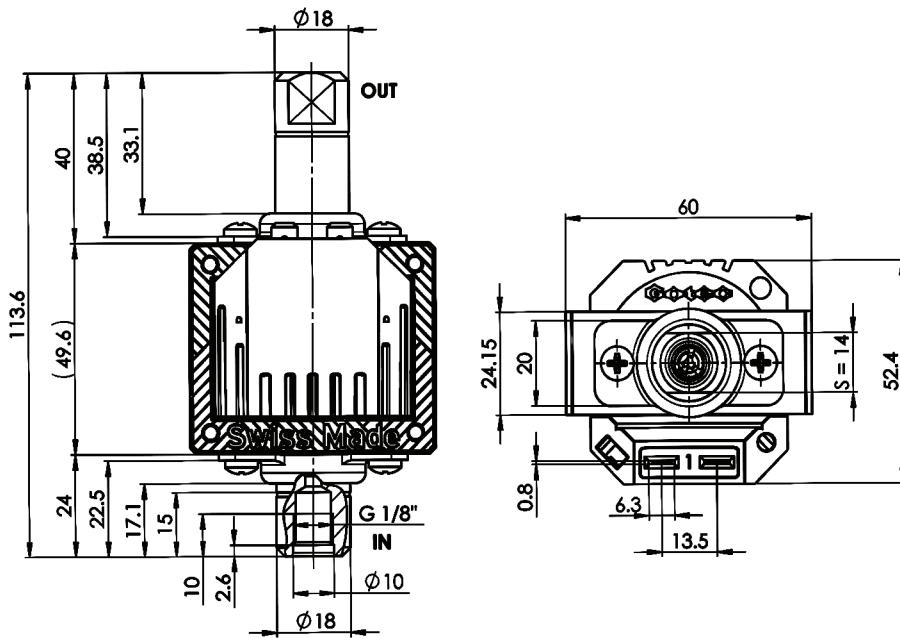


**Tested with 20°C of water at ambient temperature**

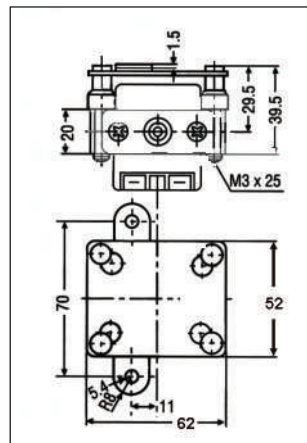


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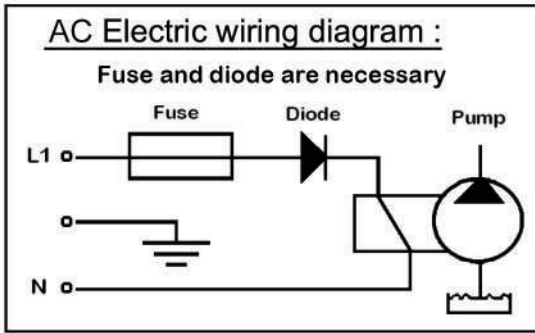
**DIMENSIONS (MM)**



Model 19726.1 Mounting Plate



## ELECTRICAL



## ORDERING INFORMATION

### ABCD (ETG100P24V60HZ)

A Model	B Seals	C Voltage	D Frequency
ETG50= G1/8 Female Threads ETS750= 7.5mm OD Plastic Barb ETG100=G1/8 Female Thread ETS750= 7.5mm OD Plastic Barb ETG150= G1/8 Female Threads ETS7150= 7.5mm OD Plastic Barb	P=NBR(Perbunan)	24V=24V 110V=110V 230V=230V 100V=100V	60Hz=60Hz 50Hz=50Hz

Special materials and connections are available in OEM quantities. Please consult with us.

Options			
Model	Description	Model	Description
Model PD-106	DC driver board, 9-35 VDC in, 9-35V pulsed DC out	19726.1	Mounting Plate
Model 1N5406	Diode	112170	Male G 1/8 to 1/8 NPT Male adapter