

## GOTEC

### ETS 21 Miniature Piston Pumps

*Solenoid Operated, Flow to 60 L/H (15.9 GPH)*

*Pressure to 2.2 Bar (31.9 PSI)*

#### DESCRIPTION

Model ETS 21 is a smaller version of the ETS 17, with a lower flow but a slight higher maximal pressure and a higher suction/priming pressure level (greater than 3 meters).

This pump typically finds application in Laboratory systems, printing ink handling and many other compatible liquid transfer applications.



#### SPECIFICATIONS

##### GENERAL

Pump Piston- Chrome coated AISI 431 SS  
 Pump Spring- AISI 316 SS  
 Pump End Connections- POM (Hostaform), 9.5 mm O.D. hose barbs (other on request)  
 Valve and Seal Material- NBR  
 Maximum Pressure-2.2 bar (31.9 PSI)  
 Maximum Flow- 60 L/H (15.9 GPH)  
 Suction Height- >3 meters (9.84 feet)  
 Viscosity- 1....600 mm<sup>2</sup>/s  
 Particle Tolerance- 100 Mesh  
 Supply Voltage- 24, 110, 230VAC, diode rectified  
 Frequency- 50/60 Hz

DC Operation: Optional model PD-106 DC driver board

Power Consumption- 40 W

Insulation: Class F-100% ED / 20 [°C]

(Class H on request), Class I (Class II on request)

Operating Factor- 100% continuous@ 68°F

Electrical Connections- 2 x 6.3 mm (1/4")x 0.8 mm spade

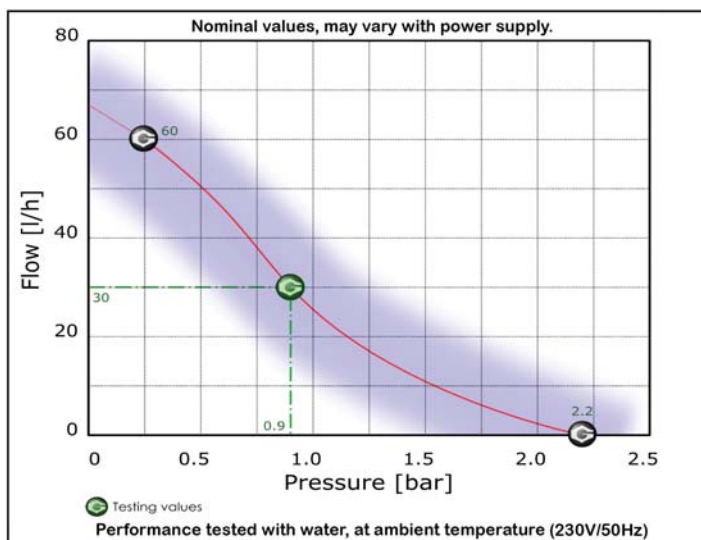
Ambient/Process Temperature Range- 1 to 50°C (33.8 to 122°F)

Noise level (1m)- Open flow = ~55 [dB(A)]

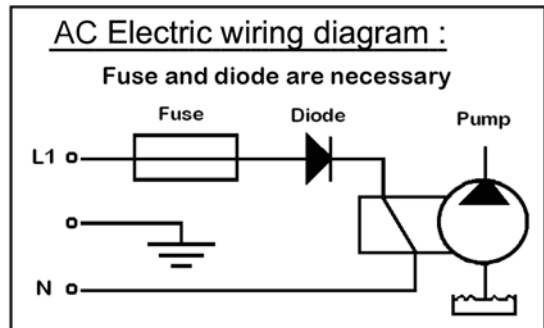
Max. pressure = ~48 [dB(A)]

Weight- 450 g (.99 lb)

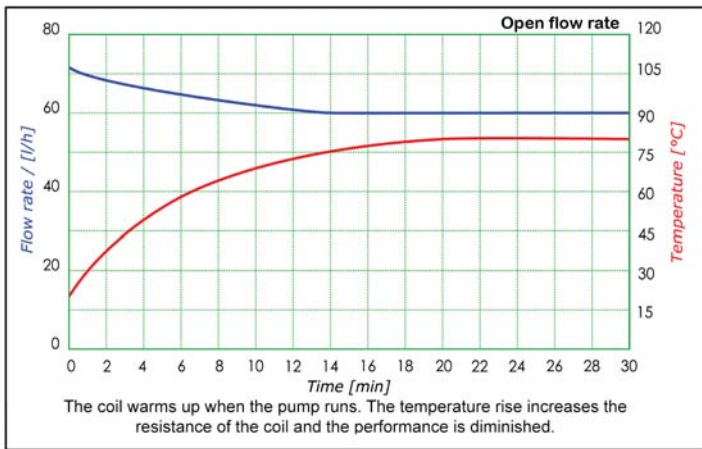
#### FLOW CURVE



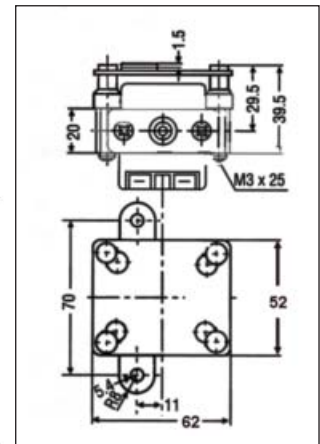
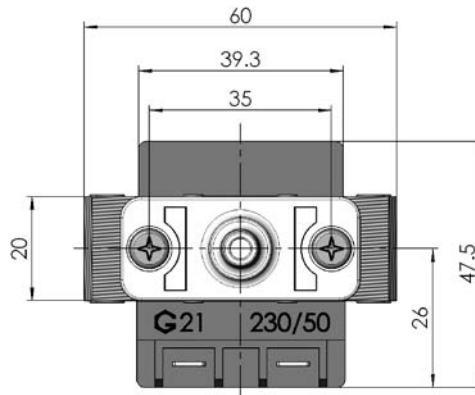
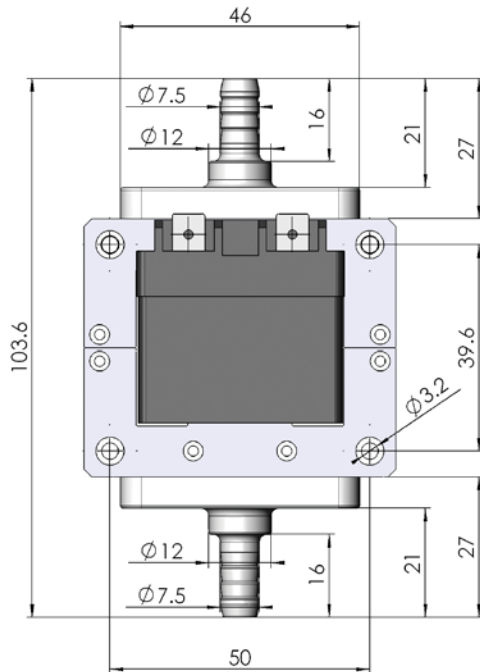
#### ELECTRICAL



## EFFECT OF COIL TEMPERATURE RISE ON FLOW RATE



## DIMENSIONS (MM)



Model 19726.1 Mounting Plate

## ORDERING INFORMATION

A-BCD  
EXAMPLE: ETS21S9PD-24V60HZS

A Model	B Voltage	C Frequency	D Elect. Connection
ETS21S9PD	24V=24V 110V=110V 230V=230V	60HZ=60 Hz 50HZ=50 Hz	S=Spade

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		