

## GOTEC

# ET200 Miniature Piston Pump

Solenoid Operated, Pressure to 22 bar, Flow to 20 l/h

### DESCRIPTION

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.

#### Typical Applications

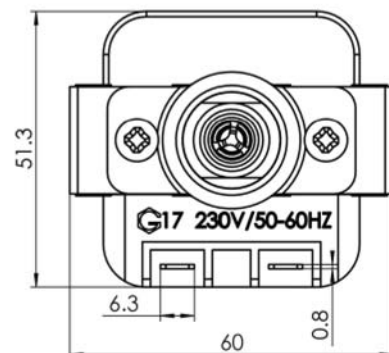
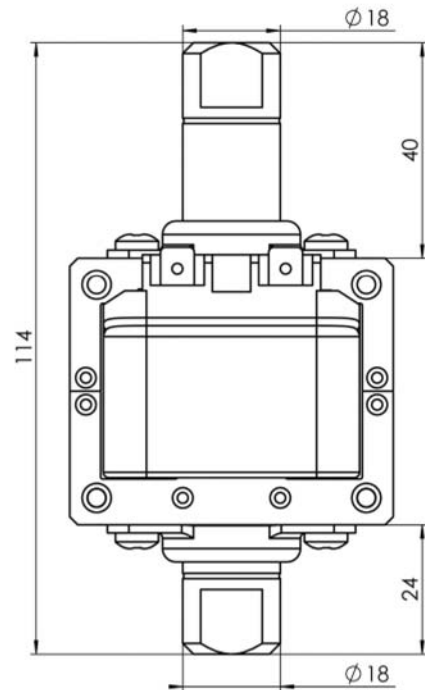
- Domestic & industrial appliances
- Household appliances
- Cleaning equipment
- Printing systems
- Lubrication
- Laboratory & medical devices



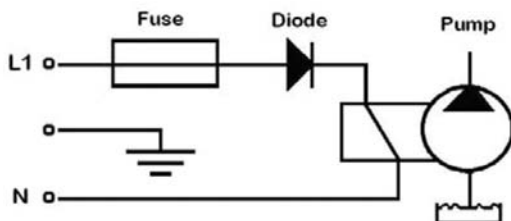
### SPECIFICATIONS

- Max. Pressure: 20-22 bar
- Max. Flow Rate: 20 l/h
- Max. Suction Height: 0.3 m
- Viscosity range: 1 to 600 mm<sup>2</sup>/sec
- Supply Voltage- 24, 110, 230VAC, diode rectified
- Frequency- 50/60 Hz
- DC Operation: Optional model PD-106 DC driver board
- Power Consumption : Maximum 25 W
- Wetted Materials:
  - Connectors : 303 Stainless Steel
  - Piston : 431 Stainless Steel
  - Springs : 316 Stainless Steel
  - Valve tips : PPS
  - O-ring: NBR
- Pipe Connection: G1/8" internal thread, 1/8 NPT Adaptor
- Electrical Connection : 2 x 6.3 mm (1/4")x 0.8 mm spade
- Insulation : Class F-100% ED / 20 [°C] (Class H on request) Class II
- Duty Cycle: Continuous @ 30°C (air & liquid)
- Maximum Dry Running Time : 15 min
- Filter to Mount Before the Pump: Mesh 100 µm
- Weight : 440 g
- Operating Temperature Range Liquid & Ambient : -10°C to 40°C. Protect against freezing.
- Approvals : CE in conf. with EN603351 (ED.4), CB cert. Nr. CH4364, (UL on request) EMC: In conformity with 2004/108/CE LVD: In conformity with 2006/95/CE RoHS: In conformity with 2002/95/CE

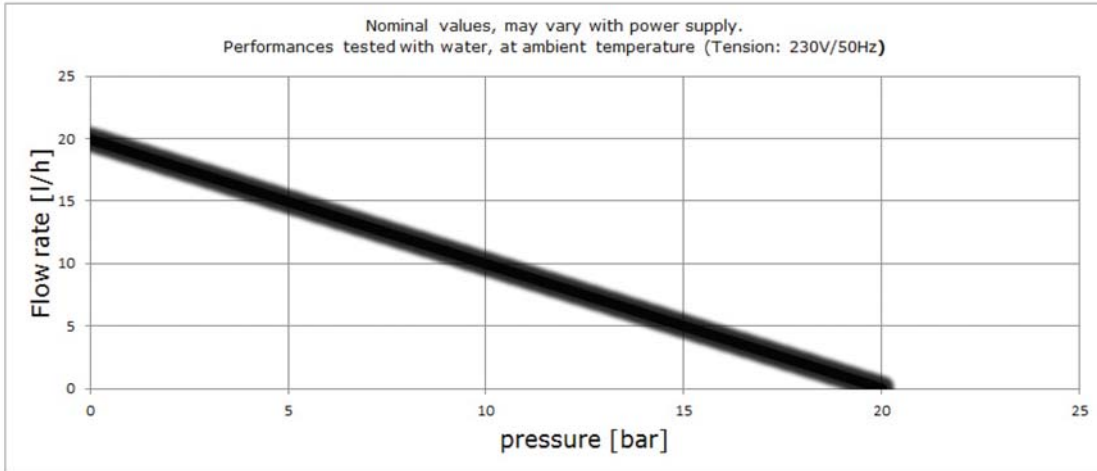
### DIMENSIONS (MM)



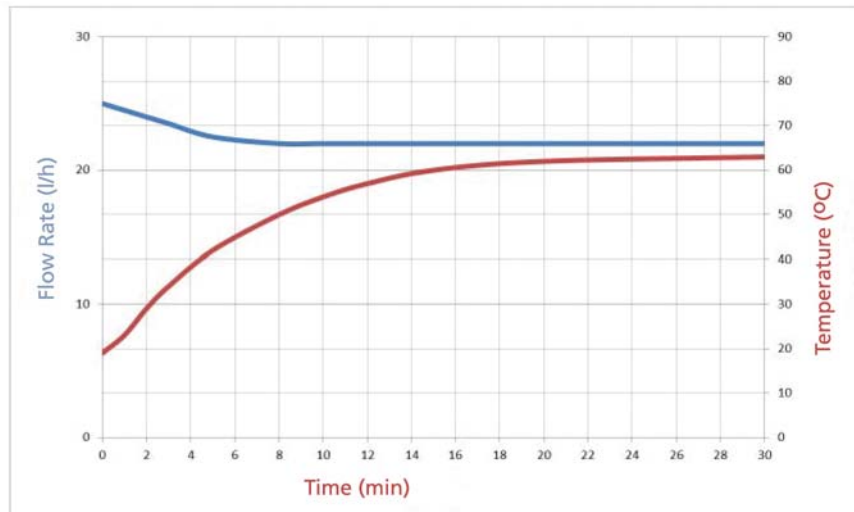
### WIRING



# FLOW



## PUMP HEATING EFFECT ON FLOW RATE



## ORDERING INFORMATION

*Model	Description
ETG 200-PT/C-24/50-2V	Solenoid Piston Pump, G1/8" Pipe Conn., PPS Valves, NBR Seal, 24 V
ETG 200-PT/C-110/60-2V	Solenoid Piston Pump, G1/8" Pipe Conn., PPS Valves, NBR Seal, 110 V
ETG 200-PT/C-230/50-2V	Solenoid Piston Pump, G1/8" Pipe Conn., PPS Valves, NBR Seal, 230 V
112170	Adaptor Fitting G1/8 to 1/8" NPT
*Standard models, please contact us with your requirements, many materials & options are available	

**Option:** Model PD-106- DC driver board, 9-35 VDC in, 9-35V pulsed DC out



Model PD-106 is a board level product intended for mounting in a customer provided enclosure. It is intended for use with Gotec solenoid piston pumps to drive the pumps with pulsed DC power.

The board accepts 9-35 VDC input and has a pulsed 9-35 VDC output.

The pulse length is fixed at a nominal 10ms and the dead time between pulses is adjustable via a potentiometer.

The circuit can drive pumps up to 35 volts.