High Pressure Pump Head

Model No.: OEM-GYB203/204/205
Flow Rate :: 0.0855-513mL/min

Product Features

The GY15 is designed for surgical cooling applications such as radiofrequency and microwave ablation. It delivers precise fluid control in medical applications, enabling accurate fluid delivery. The pressure-flow curve can be finely adjusted according to the requirements of each specific application. It supports flow rates up to 513 mL/min and pressures up to 0.8 MPa.

Product Features

- Maximum pressure up to 0.8 MPa with stable output.
- Quick and convenient tubing replacement.
- Precision-machined for high performance and long service life.
- Easy-to-clean surface.

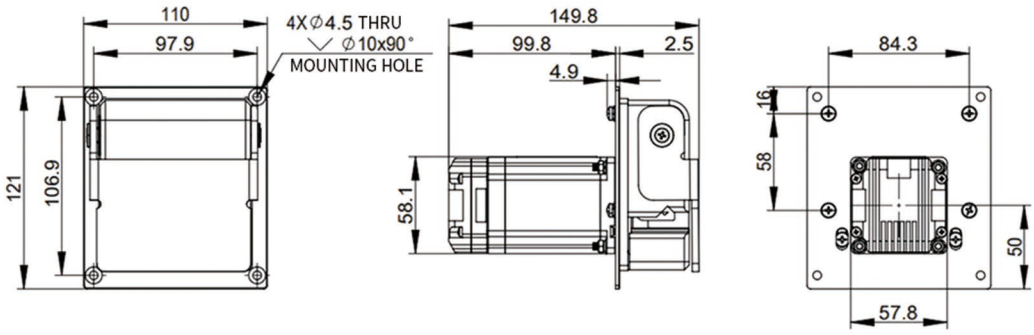
Motor Specification

Speed range	0.1-600rpm
Flow rate range	0.0855-513mL/min
Control method	Control of start/stop and direction reversal via passive switch signal or active switch signal (3.3V–5V)
Control signal logic	Run on opto-coupler ON / Run on opto-coupler OFF (Configurable via host computer software)
Operating mode	Fixed speed mode / External analog input mode (Configurable via PC software)
Motor type	Integrated Closed-loop stepper motor
Output signal	Open-collector output
Speed control method	OEM-GYB203: External analog speed control 4-20mA OEM-GYB204: External analog speed control 0-5V OEM-GYB205: External analog speed control 0-10V
Operating power supply	DC24V-DC36V (Recommended DC36V), ≥100W
Operating environment	0-40℃, < 80%RH, non-condensing

Flow Rate

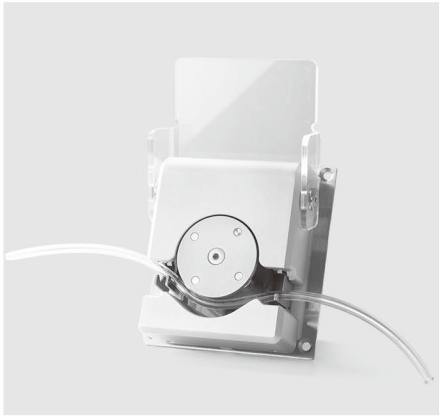
Model	Housing material	Tube clamp material	Tubing		(Speed: 0-600rpm) Flow rate range(mL/min)	Weight (Kg)
			Tubing No.	IDxWT (mm)		
GY15	Aluminum alloy	Stainless steel	14#	1.6x1.6	0-153	0.95
			19#	2.4x1.6	0-306	
			16#	3.1x1.6	0-513	

Dimension Drawing (Unit:mm)



Tubing Installation

1.Open the pump head front cover upward.



2.Place the tubing between the rollers and the upper pressure block, then insert both ends into the tube clamps on each side.

3.Close the pump head front cover downward.