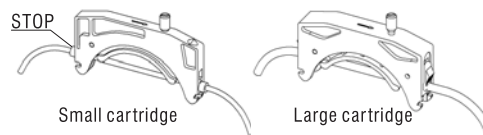


# DG15 series pump heads

## Introduction

DG15 series pump heads are designed for medium and small flow rates, multi-channel fluids transportation. Easy to change and fix the tubing. Occlusion can be adjusted slightly. The rotors adopt high performance materials. The pump head consists of base, rotor assembly and easy-to-load cartridges.



### ⚠ Important Information:

Please read operating manual carefully before operation.

### ⚠ Warning:

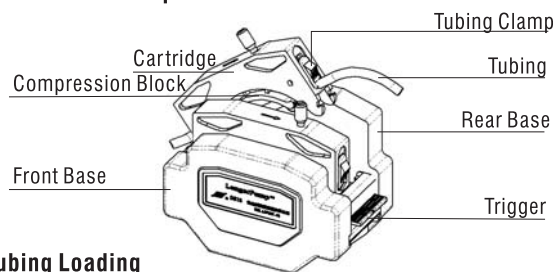
- Tubing breakage may result in fluid being sprayed from pump. Use appropriate measures to protect operator and equipment. Please check the tubing frequently and change the tubing in time.

### Technical Parameters:

Pump Head	Tubing	Tubing Wall Thickness (mm)	Speed (rpm)	Flow Rates (mL/min)
DG15-28 DG15-48 (Small cartridge)	0.5 × 0.8	0.8	0.1-100	0.03 - 3.2
	1 × 1	1.0	0.1-100	0.13 - 10
	2 × 1	1.0	0.1-100	0.3 - 46
	2.4 × 0.8	0.8	0.1-100	0.5 - 46
	13#	1.6	0.1-100	0.07 - 3.8
DG15-24 (Large cartridge)	14#	1.6	0.1-100	0.27 - 18
	16#	1.6	1-600	0.9 - 360
	25#	1.6	1-600	2.4 - 1100
	17#	1.6	1-350	4 - 1800

💡 Note: Pump head materials are not organic solvent resistant.

### DG15 Series Pump Head Structure:



### Tubing Loading



1. Press the Trigger according to the arrow head direction and take out the cartridges.
2. Push the tubing clamps which are on both sides of the large cartridge upward and insert the tubing to the holes. Release the tubing clamps and straighten the tubing to make the tubing on the middle location of the compression block.
3. Load the cartridge with tubing in the pump head.

💡 Note: When load the tubing on the small cartridge, just insert the tubing with stops into the slots of the cartridge.

1. Press Trigger and take out Cartridge. Turn 3 pieces M4\*16 screws which are in the Mounting Hole for pump head to disengage the Connecting Board and the Rear Base.
2. Insert the 4 pieces M4\*10 screws into Mounting Hole for Connecting Board. Tighten the screws to fix the Connecting Board to the pump head bracket of the drive.
3. Insert the 3 pieces M4\*16 screws into Mounting Hole for Pump Head. Tighten the screws to install the pump head on the Connecting Board.
4. Load the Cartridges on the pump head.
5. In running state, turn the Adjusting Knob. The optimum location is the fluids can be Pumped barely.

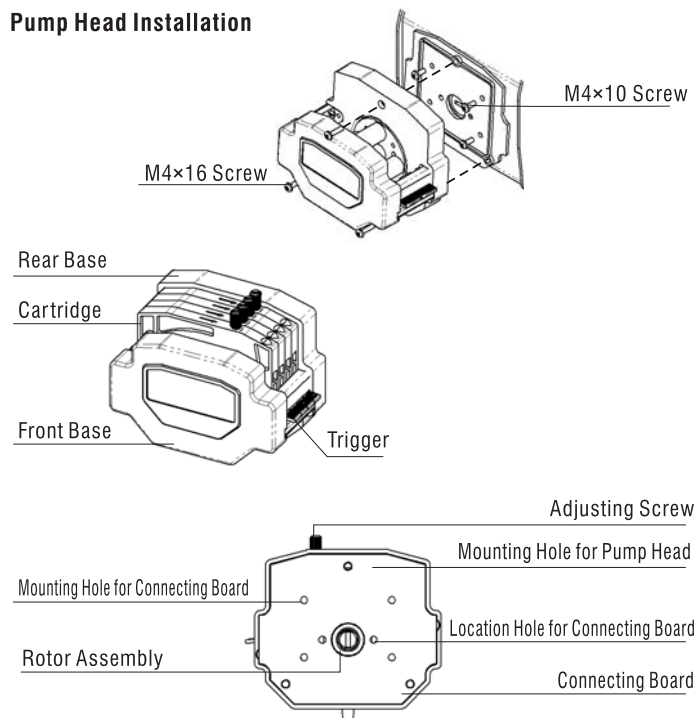
💡 Prompt:  
Tighten the Mounting Screws in the same degree. Over-tighten the screws is forbidden.

### Maintenance

- When the pump is idle, we recommend you to release the tubing from pressure. This helps to protect the tubing from unnecessary strain and prolongs its service life
- Keep rollers clean and dry. This will prolong the service lives of tubing and pump head.
- The surface of the pump head are not organic solvent and aggressive liquids resistant. Please pay attention when using.

💡 Note: If a trouble happens, please contact us or our dealers.

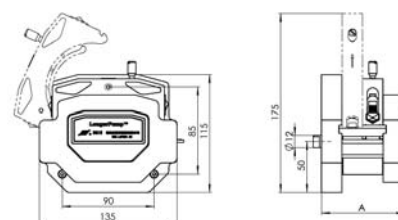
### Pump Head Installation



### Warranty

The warranty period for this product is one year. If repair or adjustment is necessary within the warranty period, the problem will be corrected at no charge if it is not due to misuse or abuse on your part, as determined by the manufacturer. Repair costs outside the warranty period, or those resulting from product misuse or abuse, may be invoiced to you.

### Dimensions



Unit: mm

A	Pump Head	Pump Head Thickness
A1	DG15 - 24	81.5 mm
A2	DG15 - 28	61.0 mm
A3	DG15 - 48	81.5 mm