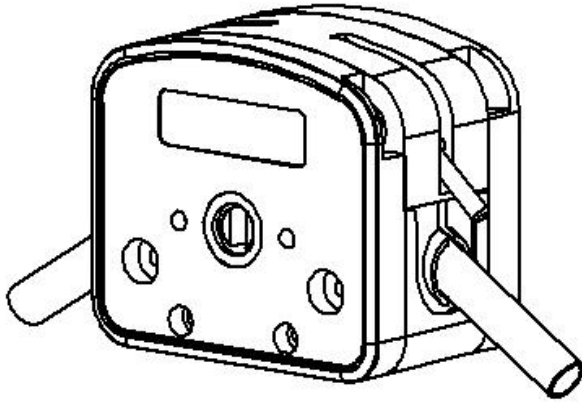


Pump Head Manual of DZ25 Series





Important Information

- Please read the manual carefully before operating the product.



Warning

- Tubing may have crack due to wear. It results in the overflow of fluid from tubing. In that time human body and instruments may be damaged. So user must check usually and change tubing in time.
- If the pump head is accidentally in water , apply soft cloth and other absorbent soft cloth to wipe dry to prevent damage to the pump head
- The peristaltic pump should be carefully checked tubing if has damage before each run.
- Tubing use after a period of time, tubing can be 90 ° rotation; For single-tube tubing pump, it can also twitch the tubing to change the pressure point of the tubing and prolong the service life of the tubing.
- Tubing use after a period of time can be rotate 90 ° to extend its service life
- Loosen the tubing when not in use for a long time



Catalogue

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**1.DZ25 Series Pump Head Introduction**

Easy operation,change tube rapidly. The house material is aluminium alloy or PPS(polyphenyl thioether). 304 stainless steel rollers. DZ25 pump head use 2.4mm wall thickness tube, the flow rate range is 3-6000mL/min. For high viscosity liquid, and contains particles, flocculent, or the outlet pressure, a suction stroke, the lift requirements of the application. Pump head card tube structure design novel, flexible tube card, without connector to meet the health requirements.

Technical Specification:

Model No.	Housing Material	Cartridge/Connector material	Tubing		Flow rates (mL/min)
			Tubing Sizes	ID*Wall (mm)	
DZ25-6L	Aluminum alloy/PPS	PP	15#	4.8*2.4	0.3~1800
			24#	6.4*2.4	0.55~3300
			35#	7.9*2.4	0.8~4800
			36#	9.6*2.4	1~6000
DZ25-3L	Aluminum alloy/PPS	PP	15#	4.8*2.4	0.211~1264
			24#	6.4*2.4	0.385~2310
			35#	7.9*2.4	0.508~3050
			36#	9.6*2.4	0.6~3600

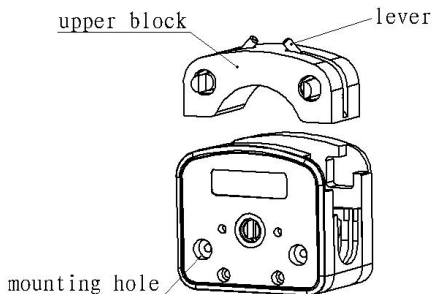
Chart 1



2.DZ25 Series Pump Head Features

- Cartridge and base body is separated, it's convenient to change the tubing.
- New cartridge structure design, can use both the special connector and the flexible tube card.
- Wide flow rate range, accept 15#, 24#, 35# and 36# tubing.
- Pump head is stackable.

3. DZ25 Pump Head Structure



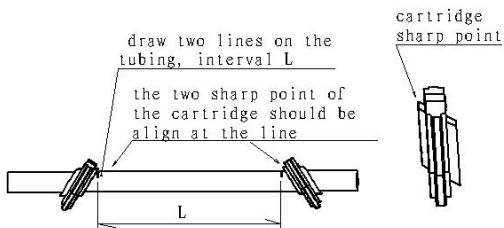
3.1 Tubing structure instruction

Draw two lines on the tubing, interval is L. See above picture

The two sharp point of the cartridge should be align at the line (note, when put the cartridge into the pump housing, they should also be align at the line)

Tubing length inside pump head:

DZ25-6L: 125mm; DZ25-3L: 90mm.





3.2 Tubing Installation

Lift both side levers, take off the upper block. (Fig 1)

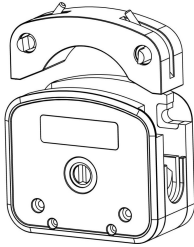


Fig1

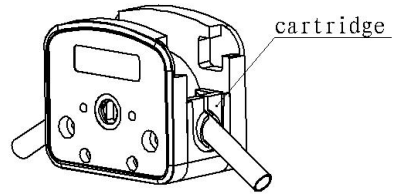
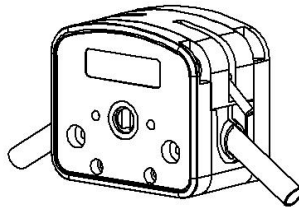


Fig2

Put the tubing with cartridge or connector into pump housing. (Fig 2)

Install the upper block, put down the levers to lock the block.(Fig 3)



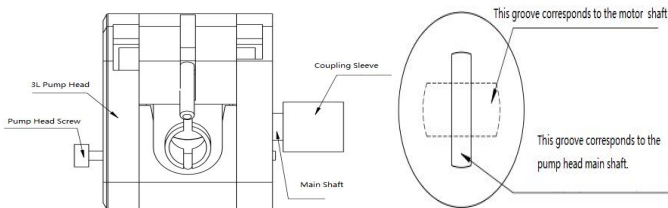


4.Pump Head Installation

4.1Single Pump Head Installation

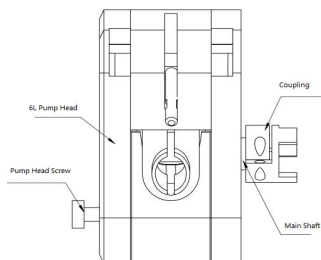
4.1.1 DZ25-3L Single Pump Head Installation

First, the coupling sleeve is installed on the main shaft of the 3L pump head, the narrow groove of the coupling sleeve is docked with the boss of the main shaft, and then the pump head is connected to the driven motor shaft through the coupling sleeve. Using pump head screws to secure the pump head to the drive.



4.1.2 DZ25-6L Single Pump Head Installation

First install the coupling on the main shaft of the 6L pump head, fasten the coupling screws, as shown in the figure, and then connect the pump head to the driven motor shaft through the coupling, then use the pump head screw to pump the pump head fasten on the drive.

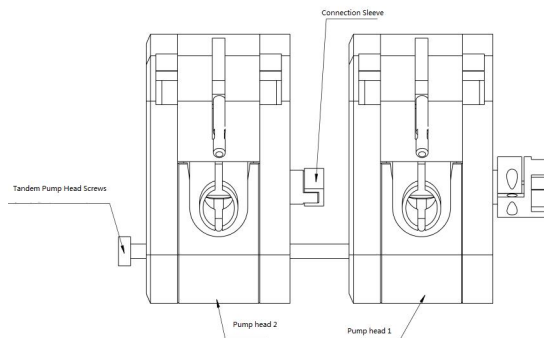




4.2 Multiple Pump Head Installation

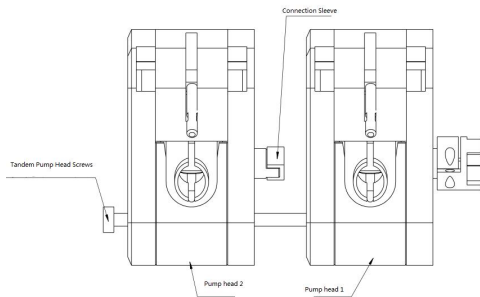
4.2.1 DZ25-3L Multi-head Installation

A plurality of 3L pump heads are used with extended screws in tandem, with 2 pump heads as an example. First, the coupling sleeve is mounted on the main shaft of the tandem pump head 1, the narrow groove of the coupling sleeve is docked with the boss of the main shaft, and then Insert the shaft end of pump head 2 into the shaft groove of pump head 1. Connect the serial connected pump head to the drive with extended screws as shown below.



4.2.2 DZ25-6L Multi-head Installation

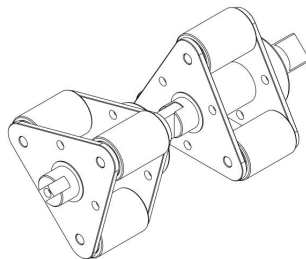
A plurality of 6L pump heads are used with extended screws in tandem, with 2 pump heads as an example. First, the coupling is mounted on the main shaft of the tandem pump head 1, tighten the screws, and then Insert the shaft end of pump head 2 into the shaft groove of pump head 1. Connect the serial connected pump head to the drive with extended screws as shown below.



4.2.3 DZ25 Series Multi-head Installation Notes

When install the pump, the entire pump head is disassembled into two separate pump heads as shown in the picture above. The two pump head roller assemblies should be staggered and installed in sequence. The wheel status is as shown in the figure below.

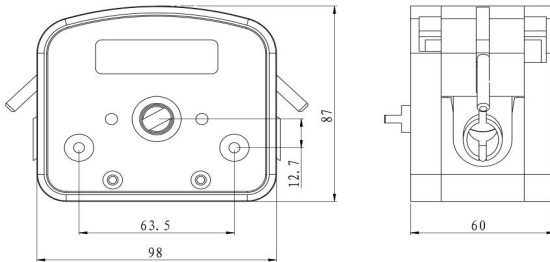
Adjacent 2 between the pump head connection to be installed on the sleeve as shown in the figure. Failure to do so will result in abnormal operation of the pump head.



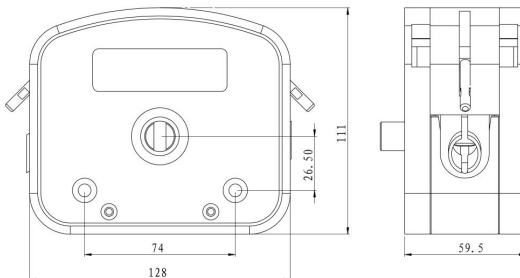


5.Dimension

5.1 DZ25-3L pump head installation size.(Unit: mm)



5.2 DZ25-6L pump head installation size.(Unit: mm)





6.Product Maintenance

- When pump is not working, please loose the cartridges of pressing the tubing for avoiding changing the shape of tubing because of longtime extrusion.
- Keep the rollers of pump head clean and dry, otherwise it can quicken the tubing wearing, reduce the useful life of tubing and lead the rollers to damage in earlier.
- Pump head can not resist super corrosive liquid. Please pay attention to it when it is using.

7.Warranty

Products have 1 year warranty (not including tubing). In the warranty, the products are damaged because of users' wrong operation or other human damages, our company do not responsibility for warranty. Beyond the warranty, we only charge the cost of maintenance.

