Low Pulsation Pump Head

Model No: DY35
Flow Rate: 1.28-14147mL/min

Product Introduction

The pump head housing is made of aluminum alloy, with stainless steel roller assembly. It reduces fluid pulsation and improves transmission stability through complementary phase angle design. The elastic upper block minimizes tubing wear.

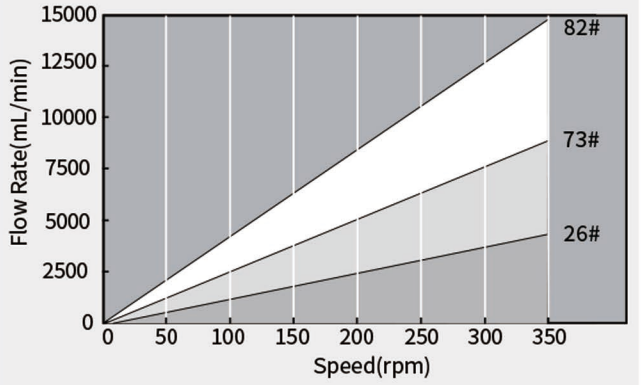
7 characteristic

1. Upgraded Design: Inspired by Apple's iconic aesthetic, the design symbolizes health and safety, combining excellent performance with a compact and lightweight structure.
2. Superior Performance: Designed for low pulsation, high accuracy, and high flow rates.
3. Universal Tube Clamp Design: The versatile tube clamp accommodates multiple tubing sizes without changing tubing clamps — saving time and reducing the risk of losing clamps.
4. Durable & Robust Construction: Built with a 304 stainless steel roller assembly and a 6061 aluminum alloy pump housing, featuring a sand-blasted and oxidized surface finish.
5. User-Friendly Operation: Equipped with an ergonomically optimized large lever handle, enabling quick and easy installation.
6. Extended Tube Life: Features an adjustable elastic upper block that allows customized pressure settings based on different tubing types, helping to prolong tubing service life.
7. Open Head Stop Running Function: The pump head features an automatic stop function when the cover is opened.

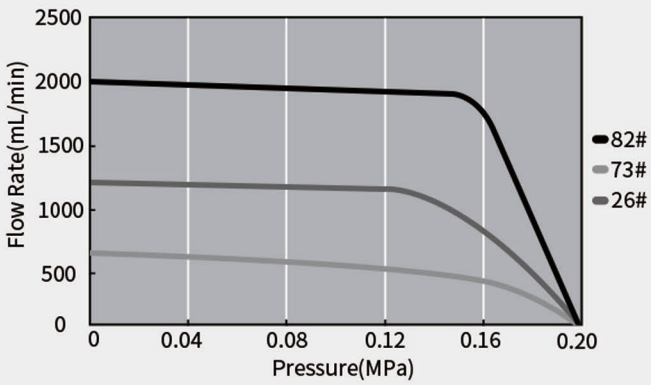
Product Composition and Flow Rate Range

Pump Head	Housing Material	Tubing		mL/r	Speed (rpm)	Flow Rate (mL/min)	Weight (kg)
		Size	IDxWall Thickness(mm)				
DY35	Aluminum alloy	26#	6.4x3.3	12.78	0.1-350	1.28-4426	9.45
		73#	9.6x3.3	23.96		2.40-8756	
		82#	12.7x3.3	39.3		3.93-14147	

Flow Rate(0.1-350rpm)



Pump Head Pressure/Flow Rate Curve(100rpm)



DY35 Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume(mL)	Filling Time(s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
DY35	26#	150	3	0.5	15	233.3
	73#	300	3	0.5	15	245.1
	82#	500	3	0.5	15	269.2

Experimental conditions:standard atmospheric pressure, room temperature at 20°C,the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

Production Dimension Drawing (mm)