

## dPOFLEX

## Industrial High Flow Rate Peristaltic Pump

Safe Precise Intuitive

For Bio-pharmaceutical & Industrial Applications

- ◎ Peristaltic pumps play an increasingly important role in the bio-pharmaceutical industry and they are widely used to precisely handle fluids and protect fluids from being polluted.
- ◎ The fluid is completely enclosed in the pipeline, which achieves the full isolation of the fluid.



High IP Rating

**IP66**

CE



General Pump Head



Low-Pulse Pump Head

### Specifications & parameters

Flow rate of general pump head	0.001-17L/min
Flow rate of low-pulse pump head	0.001-12L/min
Speed range	0.1-265rpm
Speed accuracy	<1%
Pressure	0-2bar
Flow rate accuracy	<1%
Dimension(L×W×H) (1)	480×265×300(mm)
Dimension(L×W×H) (2)	535×265×300(mm)



Three-level user access, electronic signature and audit trail to conform the FDA (21CFR Part 11) requirement



Available in stainless steel housing and cast aluminum housing; optional explosion proof version



Supporting communications and external controls by multiple fieldbuses: Modbus RTU, Industrial Ethernet, Profibus DP, and voltage/current/frequency analog signal



Integrating multiple sensors: fluid leakage sensor, open-head sensor and flow rate sensor, to realize predictive maintenance

Name	Description
Industrial Peristaltic Pump Drive BP01 (Bio-Pharm)	-Stainless-steel housing -Maximum flow rate: 17L/min -Applicable pump head: general and low-pulse pump head -IP66 -Supporting external control and control by a 4.3-inch industrial display
Industrial Peristaltic Pump Drive GP01 (General Industry)	-Cast aluminum housing -Maximum flow rate: 17L/min -Applicable pump head: general and low-pulse pump head -IP66 -Supporting external control and control by a 4.3-inch industrial display
Industrial Peristaltic Pump EP01 (Explosion-proof)	-For OEM applications -Applicable pump head: general and low-pulse pump head -Provided with a cast aluminum support, an explosion-proof brushless DC motor, and a pump head -No electronic control system integrated -A servo driver is optional
General pump head GPH01	-Cast-aluminum housing with anti-corrosive coating -2 rollers, stainless steel -Maximum inner diameter of the tubing supported: 15.9mm -Maximum flow rate: 16L/min (maximum flow rate inside the silicone tubing: 15L/min) -Integrate open-head sensor -A fluid leakage sensor is optional
General pump head GPH02	-Cast-aluminum housing with anti-corrosive coating -2 rollers, stainless steel -Maximum inner diameter of the tubing supported: 17mm -Maximum flow rate: 17L/min -Maximum flow rate inside the silicone tubing: 16L/min -Integrate open-head sensor -A fluid leakage sensor is optional
General pump head GPH03	-Cast-aluminum housing with anti-corrosive coating -4 rollers, stainless steel -Maximum inner diameter of the tubing supported: 17mm -Integrate open-head sensor -A fluid leakage sensor is optional
Low-pulse pump head LPH01	-Anodized aluminum -6-roller low-ripple pump head, stainless steel -Maximum inner diameter of the tubing supported: 16mm -Maximum flow rate: 12.4L/min (maximum flow rate inside the silicone tubing: 11.5L/min)
TCP/IP server	TCP/IP server
Profibus server	Profibus server
Ultrasonic flowmeter	Ultrasonic flowmeter, Keyence FD-Q20C, FD-Q10C
IQ/OP verification file	IQ/OP verification file
PC software	USP 21 CFR Part 11
26# silicone tubing	ID6.4x3.2
73# silicone tubing	ID9.6x3.2
82# silicone tubing	ID12.7x3.2
184# silicone tubing	ID15.9x3.2
185# silicone tubing	ID8x4.0
186# silicone tubing	ID12x4.0
187# silicon tubing	ID16x4.0
73# Pharmed tubing	ID9.6x3.2
82# Pharmed tubing	ID12.7x3.2
Gore tubing	ID17x4.0



\* Please determine the product material according to fluid media and environment.

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