LONGER

# 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 preciously handle fluids and protect fluids from being polluted.

◎ The fluid is completely enclosed in the pipeline, which a chieve the full isolation of the fluid.



CE

**High IP Rating**

**IP66**






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-Pharma) | -Stainless-steel housing<br>-Maximum flow rate: 17L/min<br>-Applicable pump head: general and low-pulse pump head<br>-IP66<br>-Supporting external control and control by a 4.3-inch industrial display |
| Industrial Peristaltic Pump Drive GP01 (General Industry) | -Cast aluminum housing<br>-Maximum flow rate: 17L/min<br>-Applicable pump head: general and low-pulse pump head<br>-IP66<br>-Supporting external control and control by a 4.3-inch industrial display |
| Industrial Peristaltic Pump EP01 (Explosion-proof) | -For OEM applications<br>-Applicable pump head: general and low-pulse pump head<br>-Provided with a cast aluminum support, an explosion-proof brushless DC motor, and a pump head<br>-No electronic control system integrated<br>-A servo driver is optional |
| General pump head GPH01 | -Cast-aluminum housing with anti-corrosive coating<br>-2 rollers, stainless steel<br>-Maximum inner diameter of the tubing supported: 15.9mm<br>-Maximum flow rate: 16L/min (maximum flow rate with the silicone tubing: 15L/min)<br>-Integrate open-head sensor<br>-A fluid leakage sensor is optional |
| General pump head GPH02 | -Cast-aluminum housing with anti-corrosive coating<br>-2 rollers, stainless steel<br>-Maximum inner diameter of the tubing supported: 17mm<br>-Maximum flow rate: 17L/min<br>-Maximum flow rate with the silicone tubing: 16L/min<br>-Integrate open-head sensor<br>-A fluid leakage sensor is optional |
| General pump head GPH03 | -Cast-aluminum housing with anti-corrosive coating<br>-4 rollers, stainless steel<br>-Maximum inner diameter of the tubing supported: 17mm<br>-Integrate open-head sensor<br>-A fluid leakage sensor is optional |
| Low-pulse pump head LPH01 | -Anodized aluminum<br>-6-roller low-ripple pump head, stainless steel<br>-Maximum inner diameter of the tubing supported: 16mm<br>-Maximum flow rate: 12.4L/min (maximum flow rate with 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/OQverification file | IQ/OQverification file |
| 26# silicone tubing | ID6.4x3.2 |
| 73# silicone tubing | ID9.5x3.3 |
| 82# silicone tubing | ID12.7x3.3 |
| 184# silicone tubing | ID15.9x3.2 |
| 185# silicone tubing | ID8x4.0 |
| 186# silicone tubing | ID12x4.0 |
| 187# silicone tubing | ID16x4.0 |
| 73# Pharme tubing | ID9.6x3.2 |
| 82# Pharmed tubing | ID12.7x3.2 |
| Gore tubingd | ID17x4.0 |

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


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