

Product information

PERIDOS FXM 2

Precise and Reliable

The PERIDOS FXM 2 is built for demanding industrial applications. Whether you're handling aggressive chemicals, abrasive slurries or viscous liquids, this smart peristaltic pump with real-time monitoring, a large control range and a maintenance-friendly

design, guarantees maximum process reliability with minimum downtime. The ideal solution for anyone who needs reliable performance and low operating costs in three-shift operation.

Ideal Applications

- **Water and wastewater treatment:**
precipitants, disinfection
- **Chemicals industry:**
e.g., corrosive or reagents
containing solids
- **Food and beverage industry:**
e.g., flavors, concentrates
- **Paper and pulp industry:**
e.g., dyes, starches
- **Mining and construction:**
e.g., slurries, suspensions
- **Agriculture/agricultural engineering:**
e.g., liquid fertilizers, disinfectants.



Product information

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Technical Data



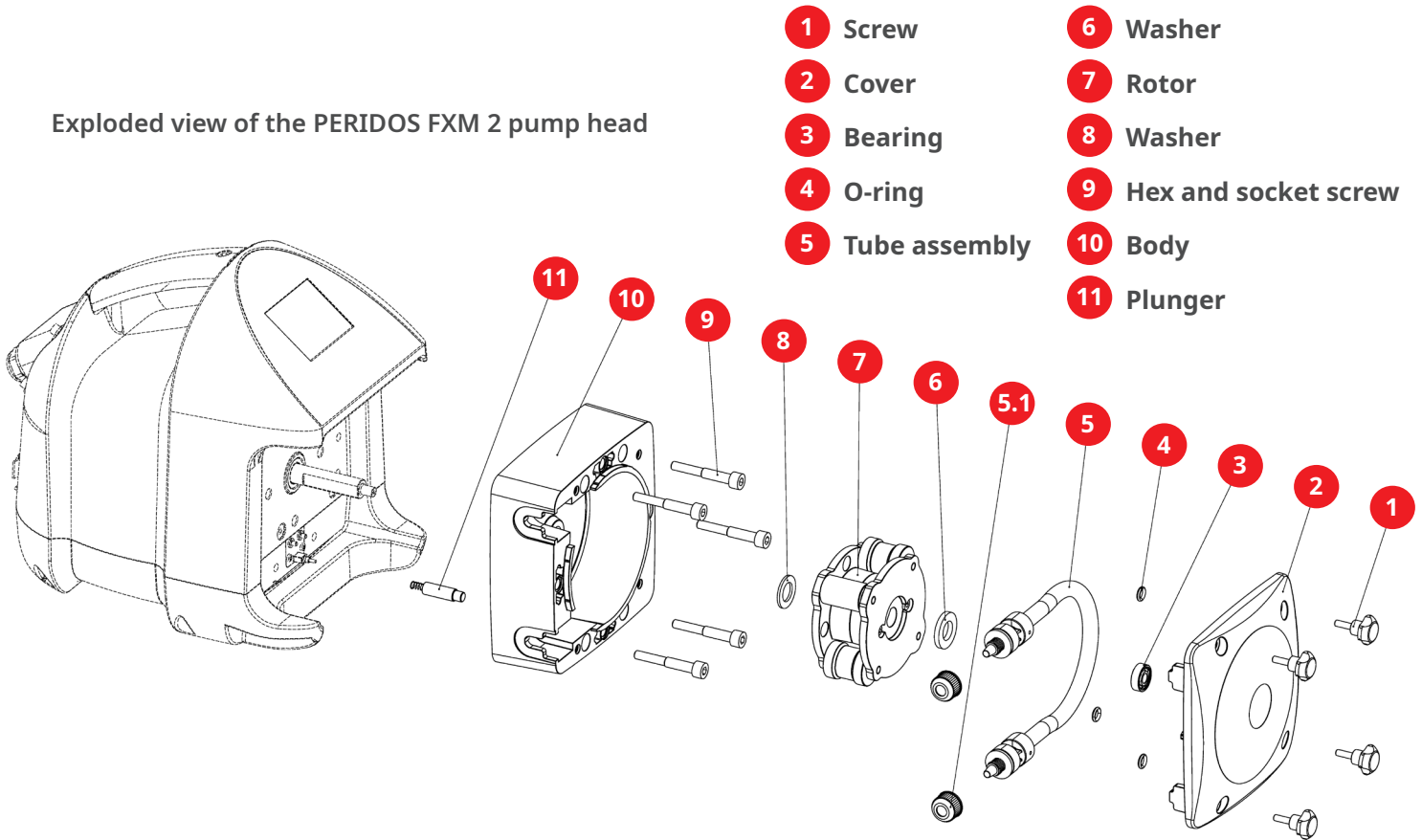
Advantages at a glance

- **Low-pulsation conveying:**
ideal for high-precision dosing tasks
- **Wide control range for precise dosing:**
turndown ratio 5000:1
- **Durability thanks to high-quality materials:**
chemical-resistant hoses, robust plastic rotors
- **Safe to run dry and impervious to gas:**
for critical media such as sodium hypochlorite
- **Reversible flow:**
e.g., for emptying or flushing the line
- **Easy maintenance:**
change hoses in just a few minutes, without tools
- **Early warning system:**
leakage detection (TLD) protects against failures
- **Industry 4.0-enabled:**
connection to SCADA, control systems and condition monitoring possible
- **Compact design:**
integrated drive, gear, electronics, and pump head.

Technical features

- Delivery capacity: **0.0093 gal/h**
up to 46.5 gal/h (0.035 l/h – 176 l/h)
at up to 125 psi/8.6 bar
- Suction lift: **up to 30 ft/9 m**
- Precision-machined squeeze rollers
for **±1 % dosing accuracy**
- **Brushless motor** with low wear and tear
- **Flow Verification Sensor (FVS)** can be
integrated as an option for real-time monitoring
- Compact housing with integrated drive,
gear, and control
- Hose materials: **Norprene, Polyurethane,**
Fabric-reinforced Norprene
- Certifications: **UL 778, CAN/CSA,**
NSF/ANSI/CAN 61 & 372
- Interfaces: **Ethernet/IP, Modbus TCP,**
4 – 20 mA, 0 – 10 V DC, pulse
- 17 digital and analog signals for seamless
process monitoring.

Exploded view of the PERIDOS FXM 2 pump head



Technical data

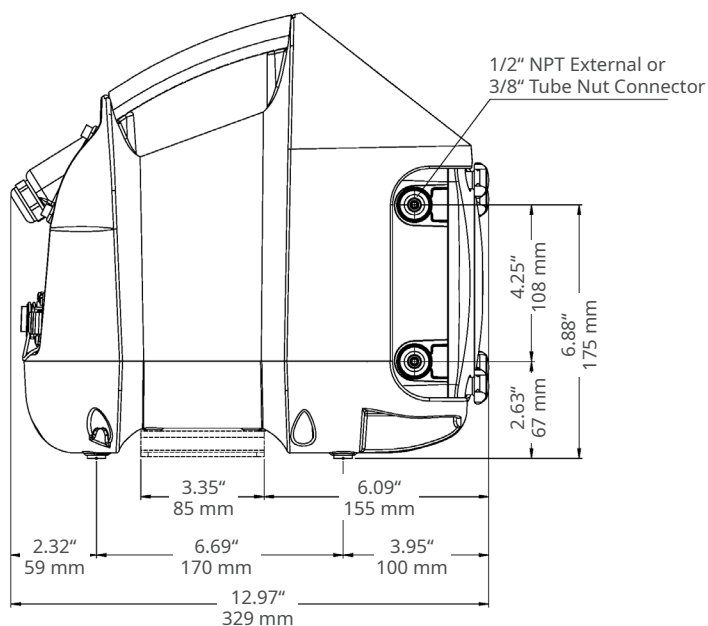
PERIDOS FXM 2

Maximum flow	46.5 GPH/176 l/h
Maximum pressure	125 psi/8.6 bar
Maximum viscosity	5000 cp
Maximum suction lift	30 ft. water, 1.5 psi (Abs)/9 m water, 0.1 bar (Abs)
Remote adjustment	4 – 20 mA, 0 – 10 V DC or pulse
Inputs	2 remote inputs, 1 assignable input
Industrial network protocols	Ethernet/IP, Modbus TCP
Feedbacks	4 – 20 mA, pulse and 4 alarm contacts
Voltage (max amp)	Automatic identification/96 – 264 V AC 50/60 Hz/(2 amp)
Accuracy	± 0.5 %
Repeatability	± 0.5 %
Output speed control range	1 – 100 % in 0.1 % increment, 0.02 – 1 % in 0.01 % increment, 5000:1 turndown
Enclosure	NEMA 4X/IP 66
Plug type	125 V AC, NEMA 5/15 (US), 230 V AC, NEMA 6/15 (US), 230 V AC, CEE7/VII (Europe) 230 V, BS 1363 (UK), 230 V AC, AS/NZS3112 (AUS)
Maximum fluid temperature	130 °F/54 °C
Minimum & maximum ambient operating temperature	32 °F to 115 °F/0 °C to 46 °C
Weight (shipping weight)	28.6 lb (30.8 lb)/13 kg (14 kg)
Motor power	0.25 hp/190 W

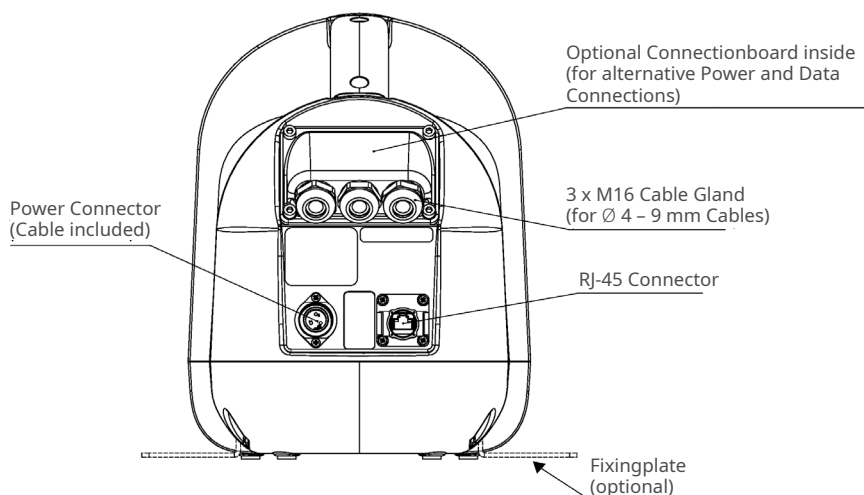
Dimensions of the FXM 2 dosing pumps



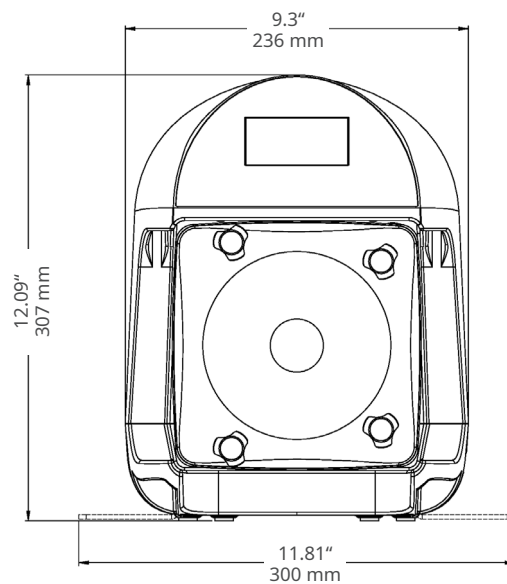
More about our
Peristaltic pumps
program.



Pipe nut connection



Data connection



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