



Thermo Scientific Microflex™

Peristaltic Pumps



**Thermo
Scientific
Microflex™**

**Well-Balanced
Range Of Capacities
and Flexibility**



Thermo Scientific Microflex™

Precision
Engineered OEM
Peristaltic Pumps
For Microfluidic
Applications



- ✓ Easy to load
- ✓ 3 micro liters to 50 ml/min
- ✓ Custom configurations
- ✓ Performance guaranteed with a variety of tubing materials

Enhanced Performance and Durability

Extremely compact and durable peristaltic pumping systems designed for installation in small instrumentation, such as in OEM clinical, diagnostic, laboratory dispensing, sampling, analyzing, and food/beverage applications. Thermo Scientific Microflex™ pumps provide for precisely controlled transfer of liquids and sample dispense, with or without vacuum or pressure, in a “micro” footprint – just 1.50” x 2.125”, exclusive of fingertabs.

Microflex pumps offer enhanced and versatile performance in an ultra-compact design. With standard flow ranges from 1.3 µl/min to 430 ml/min and pressures to 2.5 bars, the tiny instrument-quality peristaltic pumps provide a cost-effective alternative to syringe pumps. Microflex pumps accept a range of microbore tubing sizes and a number of motor configurations are available. Our robust, fixed-occlusion design provides reliable, and accurate pumping and dispensing with a wide variety of tubing materials and varying differential pressure applications.

Microflex pumps are self-priming, can operate dry without damage, are suitable for most chemicals and contain no valves or seals. Fluid only contacts the tubing, providing contamination free pumping – and clean up is easy. A fixed occlusion bed provides for quick setup, easy tube changes, and consistent flow accuracy. No manual adjustment is required, either – occlusion is set when the pump head cover is closed. The patented tube retention system retains both continuous tubing and tubing links.

With a well-balanced range of capacities and flexibility, excellent repeatability and optimal chemical resistance, Thermo Scientific Microflex pumps provide numerous advantages over other pump designs for meeting the challenges of essential dispensing, sampling and analyzing applications.

Dedicated OEM Design Team

Our Thermo Fisher Scientific OEM team has more than 40 years of experience in custom designing fluid handling solutions. We provide thousands of quality products for scientific, technical, and industrial applications worldwide. When you require a product that is different from our standard products to meet your specific system requirement, we offer our OEM design services.

Our Custom OEM Process

Our first objective is to determine your needs. We discuss the project with you in detail – engineering staff to engineering staff. Once we jointly define your requirements, we will work with you through the entire design, testing, and manufacturing phases. Our OEM staff will provide recommendations to improve upon product performance and project cost. Our goal is to ensure your satisfaction with the best results possible.





Our high-quality products conform to the following standards:

ISO 9001:2000 Quality
ISO 13485:2003 Medical Devices
UL Safety
cUL Safety, Canada
CE – Electrical emissions
EN61010 Safety, EU



Ideal for a wide variety of life science, medical, and industrial use. A partial list of custom applications includes:

- Chromatography
- Spectroscopy
- Lab analyzers
- Fermentation and cell culture
- Reagent metering applications
- Bio-reactor feed and chemistry control
- pH control
- Medical and diagnostic equipment
- Surgical medical device cooling pumps
- Reagent control in environmental analyzers
- High throughput drug screening
- High-purity separation
- Food and beverage flavoring dispensing
- Sampling pumps
- Many others



Barrington, IL 60010
1-800-637-3739, Press 4 for OEM Sales
1-847-381-7050, Press 4 for OEM Sales
1-847-381-7053 fax

www.thermo.com/fluidhandling