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Microfluidizer LM20, 2024 model -- only used 10 times!





Up to 30,000 psi (2,068 bar)

Rating: Not Rated Yet
Price
Sales price $23,500.00

Ask a question about this product

Description

The Microfluidizer LM20 (2024 model, manufactured by Microfluidics / Quadro Engineering) is a compact, electrically powered, high-shear fluid processor / high-pressure homogenizer designed for laboratory-scale processing of small sample volumes. It uses intense shear forces, impact, and cavitation in a fixed-geometry chamber to create uniform submicron emulsions, dispersions, liposomes, and achieve efficient cell disruption with consistent, repeatable results. It's a premium lab "workhorse" for nanotechnology-level processing.

Key Features

High Operating Pressure — Up to 30,000 psi (2,068 bar), enabling superior particle size reduction and cell lysis at lower pressures compared to many alternatives.
Small Sample Capability — Minimum sample size of ~14 ml (with low hold-up volume), making it perfect for precious or limited materials.
Digital Control & Consistency — Siemens touchscreen HMI with digital pressure control, stroke counter, and maintenance reminders for precise, repeatable processing.
Efficient Cooling & Temperature Control — Designed to limit sample temperature rise during processing (max feed temp 165°F / 75°C), helping preserve heat-sensitive biomolecules.
Scalable & Robust Design — Benchtop unit (approx. 23" H × 33" W × 26" L, ~230–250 lbs) with linear scalability to larger Microfluidizer models; built with high-quality components including a 300 ml glass reservoir and diamond or ceramic Interaction Chamber.

Manufactured in Canada by Quadro Engineering

Other Specifications
Model: LM20
1100 PSI accumulator charge
Power: 208-230/60Hz or 190-220/50Hz, 3-phase
Weight: 230 lbs (104 kg)

Comes with our 90-day warranty.

Biotech Equipment Sales, Inc.: based in South San Francisco, the Biotech capital of the world, since 2009. We are dedicated to bringing high-quality pre-owned laboratory instrumentation to our scientific community.

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