



LM 10 - Digitally Controlled High Shear Fluid Processor lab unit- Ideal for small sample volume material processing

The LM 10 Microfluidizer maintains consistent pressure of all materials introduced into the system and guarantees consistent treatment of the entire volume . Whether working with small lab samples to production volumes, the Microfluidizer is unmatched in submicron size reduction/ disruption product yield and guaranteed process scale up.

Is ideally suited for materials including: Emulsions, Dispersions, Liposomes and Cell Disruptions or even fineparticle deagglomeration.

#### Features & Benefits:

- Achieve unmatched size reduction/ disruption performance at lower process pressures
- Minimal sample temperature rise during processing
- Higher product yields after sterile filtration with tighter particle size distributions
- Linear volumetric scale-up reduces development time in pilot or production
- Enhanced repeatability
- Improved experimental readability with real-time temperature monitoring

#### Specifications:

Pressure Range: Up to 23,000 psi

Minimum sample size: 14 ml

Flowrate Range: 250- 600 ml/min

Feed Temperature: Maximum 165° F (75°C)

Electrical Power Requirement 85- 250VAC, 50/60 Hz, 5A

Pump Actuator: Pneumatically Driven

Air Compressor Requirement: 57scfm @120 pos (24 l/s @ 8.3 bar)

Noise level: < 80 dB TWA

Dimensions: 19" H x 19" W x 27" L (48cm x 48cm x 69 cm)

Weight : 75 lbs (34kg)