



## 2M Continuous Lab Mixer for Chemical Applications

Highly scalable and easy to use, Oakes bench-top lab equipment features all the benefits of our full scale production equipment. Homogenous mixing, precision specific gravity control, simple maintenance and uniform air incorporation make the 2" an integral part of R&D.

The mixing action of the Oakes Rotor/Stator mixing head improves performance in processes which involve dispersion, dissolution, acidulation, caustic treatment, washing, reaction, extraction, emulsion, coloring, blending, aeration and alkylation.

All Oakes Mixers are custom built and may be supplied in many configurations to suit your specific application requirements.



**shown above:** 2MBTIA with optional cart

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### Model 2MBTIA Standard Features:

- Dimensions: 18"x28"x32"h
- Power: 230V, 1PH, 60HZ
- Weight 200lbs
- 10-80#/hr at .6 specific gravity
- 10-120#/hr at 1.0 specific gravity
- 316 Stainless Steel Mixing Head
- SST Progressive Cavity Pump
- 1HP AC Rotor Motor/VFD w/HIM
- 1/2 HP AC Pump Motor/VFD w/HIM
- Double Mechanical Seal Assy
- RPM Display for Pump and Rotor Speed
- Digital Back Pressure Gauge Transducer
- Air Gauge, Regulator
- Interchangeable Flowrotors
- 2 gal SST Holding Tank
- 1/4" and 3/8" SST Hose Adapters
- Equipment mounted on an Aluminum Base w/ SST cover for Bench Top Use
- Water-Shed SST Enclosures
- Power Disconnect & E-Stop Switch

### Options Include:

- Single Mechanical Seals
- SST Jacket for Heating/Cooling
- Polished SST Cart w/Shelves, Drawer & Casters
- Mixing Head: Hasteloy or other Exotic Metals
- Bearing Housing Configuration Only
- Special Rotors for High/Low Shear
- 230 VAC / 50HZ
- 380 VAC / 50HZ

### 2M: Rated Capacity in Pounds/Hour

Industry	Mixer 2MA	
	minimum	maximum
<b>Chemical Foams</b>	10	80
<b>Latex Foam Rubber</b>	10	60
<b>Urethane/Plastisol</b>	10	80
<b>Dispersions/Emulsions</b>	10	120
<b>Adhesive Foams</b>	10	80

*Maximum Capacity of the Oakes Continuous Mixer depends on the product being mixed. Maximum rated capacity is on a conservative basis. This table describes the normal range of capacity for a general range of products for all models of the Oakes Continuous Mixer.*

2MC-1.3

**2M Continuous Mixer-Chemical Applications**

aeration  
acidulation  
alkylation  
blending  
caustic treatment  
coloring  
dispersion  
dissolution  
emulsion  
extraction  
reaction  
washing