

INTRODUCING THE ROTOTHERM® MINI

Lab-Scale Evaporator

The new Artisan ROTOTHERM® MINI thin-film evaporator offers continuous, scalable, and cost-effective separation. Research and development teams can benefit from this new technology preserving product quality, increasing throughput, and saving energy. The ROTOTHERM® MINI utilizes the same thin-film separation technology as Artisan's production-scale ROTOTHERM® evaporators.

Key Benefits

Horizontal Orientation → Up to 99% evaporation for higher yields without dry spots or fouling. Capable of liquid-to-powder drying in a single pass for many materials

Robust Construction → Versatile with the ability to handle high product viscosities and produce dry materials. Stainless steel construction that eliminates time intensive cleaning procedures

Preserve Product Quality → Avoid degradation on heat-sensitive materials with the combination of short residence time, vacuum operation, and reduced processing time compared to batch operations

Scalable → Continuous process can reliably scale to commercial production equipment utilizing proven ROTOTHERM® thin-film separation technology

Applications

- Concentration
- Purification
- Dehydration
- Solvent Recovery
- Drying

Industries

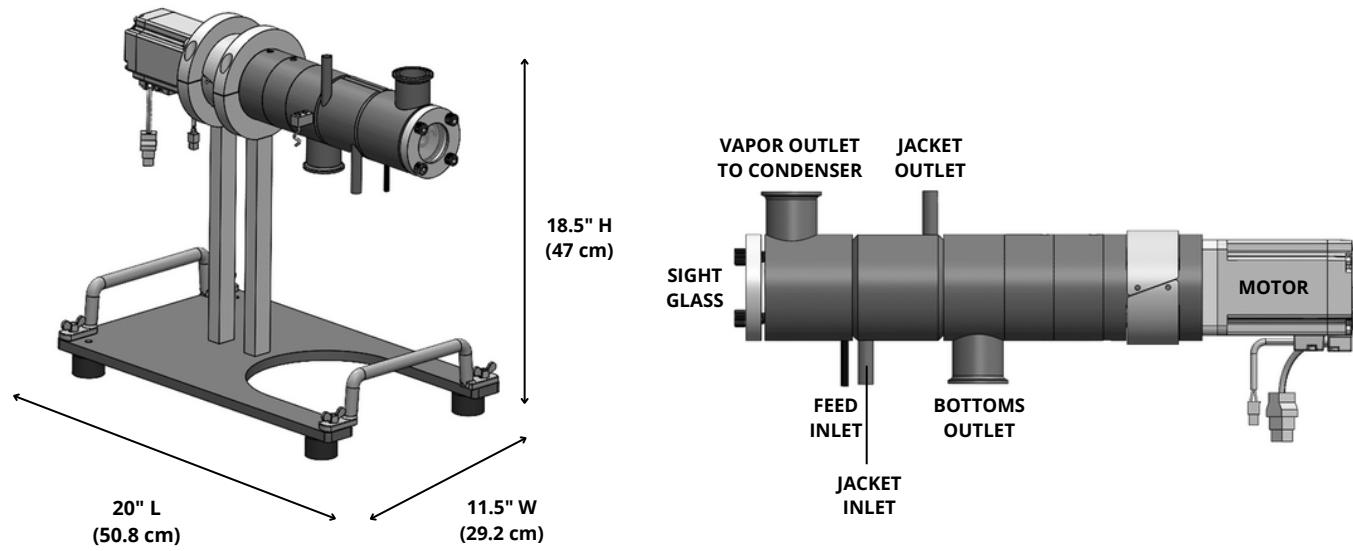
- Chemical
- Food & Beverage
- Pharmaceutical
- Edible Oils
- Polymer
- Research Facilities



Capabilities

- ★ Processes heat sensitive materials
- ★ High viscosity capability
- ★ High turndown ratio (10:1)
- ★ Easy installation & maintenance
- ★ Less solvent required for cleaning
- ★ Feed rate 5-50 ml/min
- ★ Heating media: Hot Oil or Hot Water
- ★ Wetted parts are 316L SS
- ★ Manufactured in the USA

ROTOTHERM® MINI: SPECIFICATIONS



Footprint	20" L x 11.5" W x 18.5" H (50.8 cm x 29.2 cm x 47 cm)
Rototherm Material	316L SS
Seal Material	Viton/PTFE
Seal Type	Lip Seals
Electrical	120V, 750W Motor
Operating Temperature	-40° - 400°F (-40° - 204°C)

Feed Rate	0.6 - 6.5 lb/hr (5 - 50 ml/min)
Evaporation Rate	0 - 5.8 lb/hr water (0 - 2.6 L/hr) water
Evaporation Surface Area	0.125 sqft (116.1 cm ²)
Weight	70 lbs. (31.8 kgs.)
Operating Pressure	1 - 760 torr
Rototherm Speed	Up to 3000 RPM