

Parylene Chamber Coating Machines

26" DIA. Vertical Chamber Specifications

Features:

- **Overall Dimensions:** Width 54 ¼" with chiller shelf X depth 31 ¼" X height 45"
- **Chamber Dimensions:** 26" ID X 30" High
- **Usable Area:** 24" Dia. X 29" High
- **Rotary Feed through:** Magnetic Seal type, Rigaku
- **Rotary Base Plate:** 24" diameter X ¼" aluminum
- **Drive:** 1 RPM Gear Reduction Motor
- **Door Mechanism:** Hinge rear of chamber, over center stop with no springs
- **Plumbing:** Includes all fittings from the chamber to the chiller and from the pump to the chiller including the chiller adaptor plate. All type 304 Stainless steel
- **Valves:** Stainless steel 1 ½" Right angle bellows; Vent valve, Stainless Steel right angle with 0.250 orifice.
- **Baffles:** Stainless Steel, Inlet 2 piece with ½" center slit & outlet 1 piece.



38" DIA. Vertical Chamber Specifications

Features:

- **Overall Dimensions:** Width 70 ¼" with chiller shelf X depth 46 ¼" X height 54"
- **Chamber Dimensions:** 38" ID X 40" High
- **Usable Area:** 36" Dia. X 38" High
- **Rotary Feed through:** Magnetic Seal type, Rigaku
- **Rotary Base Plate:** 36" diameter X ¼" aluminum
- **Drive:** 1 RPM Gear Reduction Motor
- **Door Mechanism:** Hinge rear of chamber, over center stop with no springs
- **Plumbing:** Includes all fittings from the chamber to the chiller and from the pump to the chiller including the chiller adaptor plate. All type 304 Stainless steel
- **Valves:** Stainless steel 1 ½" Right angle bellows; Vent valve, Stainless Steel right angle with 0.250 orifice.
- **Baffles:** Stainless Steel, Inlet 2 piece with ½" center slit & outlet 1 piece.



18" DIA. Horizontal Coater Specifications

Dimensions: L 67 5/8" X W 20 5/8" X H 38"

Chamber Dimensions: 17 3/4" ID X 20 5/8" Long

Canister Dimensions: 16" OD X 21 1/2" Long, Option: Smaller canisters available

Canister Release: Turning canister 1/4 turn in reverse releases it from the hub for replacement or cleaning.

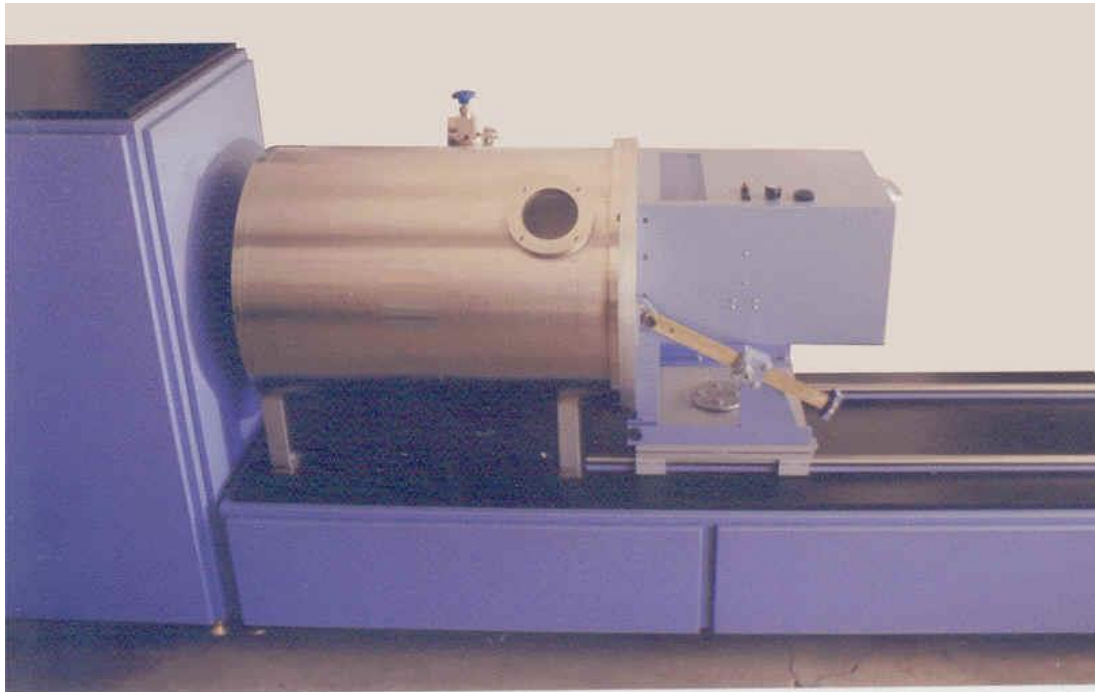
Rotary Feed-through: Magnetic seal type, Rigaku

Drive: Variable speed gear reduction motor

Door Slide Mechanism: Linear bearings to slide the canister in and out of the chamber. The canister will swivel 90 degrees outward and tilt up and down for loading and unloading.

Plumbing: Includes all fittings from the chamber to the chiller and from the pump to the chiller including the chiller adaptor plate. All type 304 Stainless steel

Valves: Stainless Steel. 1 1/2" Right angle bellows; Vent valve, stainless steel, right angle with .250 orifice.



36" x 48" Horizontal (Tumble) System

Dimensions: Length (open) 137", closed 66", Width with manifold and cold trap shelf 70"

Chamber Dimensions: 35 5/8" ID X 51 Long

Cage Dimensions: 31.5" OD, X 45 1/2" Long. Several types are available, (shown with 3-cell triangular cage).

Rotary Feed-through: Magnetic seal type, Rigaku

Drive: Variable speed gear reduction motor with reverse switch & step control.

Door Mechanism: Consists of an aluminum plate with a rotary feed-through in the center. A cover containing controls and gear reduction motor is mounted to the outside of the plate. The door assembly rides on a linear track mounted to the floor and rolls on V-grooved wheels.

Plumbing: Includes all fittings from the chamber to the chiller and from the pump to the chiller including the chiller adaptor plate, all type 304 Stainless Steel

Automatic Valves: Roughing, Stainless Steel. 3" Right angle bellows with attached 1/4" pre-pump valve; Vent valve, Stainless Steel bellows sealed right angle valve with .5" orifice & butterfly restrictor valve.

Inlet Manifold: Is made up of 2 1/2" sanitary fittings to form a 2 port inlet for better distribution and is heated with a 2 zone heating blanket. The insulated heating blanket protects the user from being burned.

