

26" DIA. Vertical Chamber Specifications

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 .250 orifice.

Baffles: Stainless Steel, Inlet 2 piece with ½" center slit & outlet 1 piece.



Table Top Parylene Coater Specifications

Dimensions: Generator; L 40 3/4" X W 12" X H 13 1/4", Control Console; L 20" X W 12" X H 12 5/8", Total Footprint; width 40 3/4" X Depth 24" X Height 13 1/4"

Shipping Wt.: 325 pounds

Electrical: 120 Volts, 25 Amp, 50/ 60 Hz., Option: 240 Volts, 13 Amps, 50/60 Hz.

System Control: Manual switches and relay logic

Heater Controls: Fugii PID Loop Controllers for Loading Door, Vaporizer, Furnace, and chamber gauge.

Process Control: Fugii PID Loop Controller to smooth out cycle rate of deposition.

Alarms: Out of limits for temperature, Vacuum, and cold trap temp.

Cold Trap: Liquid Nitrogen or Dry Ice / Alcohol with Thermocouple temperature readout.

Optional: Ln2 auto fill system, Option: Mechanical Chiller

Generator throughput: 10 Grams/Hr.

Vaporizer: 1.87" ID X 6" volume 16.5 cu/in

Dimer Boat: 1 3/4" dia. X 5", volume 7 1/4 cu/in

Pyrolysis Tube: 1" ID X 20", High temp. Alloy

Furnace: Horizontal split tube stainless steel. Shell, 6" Sq. X 16" Long

Chamber: 6 3/8" ID X 9 5/8" High, Usable work Area; 5.5" Dia. X 9"

Rotary Feed through: Magnetic Seal type, Rigaku

Vacuum Pump: Edwards Model RV8, 6.9 CFM @ 60 Hz., 5.7 CFM @ 50 Hz.



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.

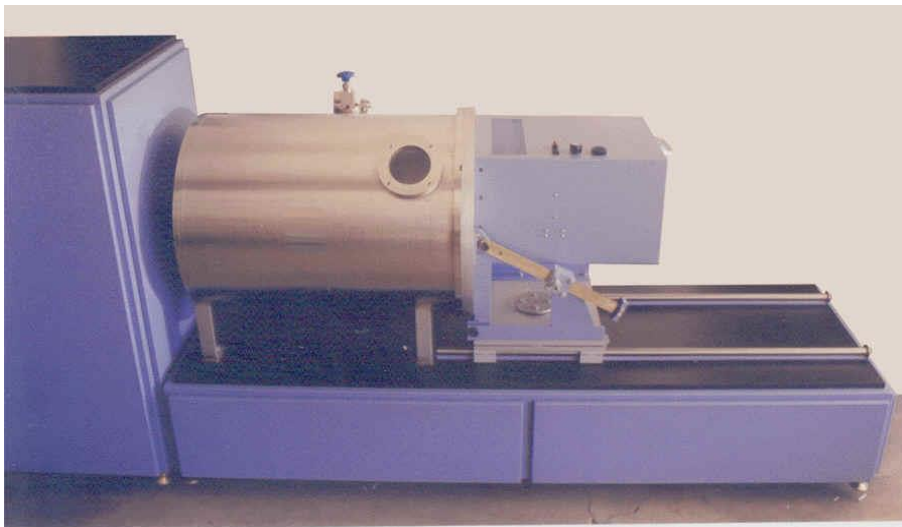
Rotary Feed-through: Magnetic seal type, Rigaku

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.

