

RFD-27

ROLLED FILM DISTILLATION

Molecular Distillation

The RFD-27 is a form of short-path distillation that uses UHV (Ultra-High Vacuum) levels to achieve molecular separation of the individual target botanicals from the crude oil. The stainless steel construction also allows for superior thermal properties in comparison to glass. A crude oil that has all of its residual solvents removed may be fed into the system at rates of 4-5 liters per hour to distill its remaining volatiles and terpenes. A second pass may also be performed on the botanical concentrate resulting in a high potency (90-95%) and visually appealing distillate.



92% Botanical Compound Removal



95% Target Purity



Liquid Nitrogen Cold Trap



Dimensions

67" L x 24" W x 77.54" H
(170 cm L x 61 cm W x 197 cm H)

Electrical Requirements

110v & 230v Single-Phase,
Full-Load-Amperage(FLA): 60

- PTFE Rollers
- 316L Sanitary Stainless Steel
- 4-5 LPH feed rate
- Turbo Molecular Pump
- Dry Scroll Pump
- Made in USA
- 12 Month Parts/Labor Warranty
- Technical Support

RFD-27

ROLLED FILM DISTILLATION



Call Us: (707) 222-6066
sales@deltaseparations.com



Small Operational Footprint



4-5

Liters per hour



1

Single operator



Standard Features

Dimensions

- 67" L x 24" W x 77.54" H
(170 cm L x 61 cm W x 197 cm H)

Weight

- 600 lbs

Electrical Requirements

- 110v & 230v Single-Phase,
Full-Load-Amperage(FLA): 60

What's Required

- Professional HVAC Technician for heat removal
- Licensed Electrician
- Heat Gun

Vacuum System

- Turbo pump: 240 liters per second
- Roughing scroll pump:
12.7 m² per hour

Roller Controller

- 100-240V, 1 amp, single-phase
- 1x NEMA 5-15 plug

Feed Pump

- 110V, 5 amps, single-phase,
50/60 Hz
- 1x NEMA 5-15 plug

Integrated Components

• Vacuum system

- * Gauge Controls
 - 100V-240V, 6 amps, single-phase,
50/60 Hz
 - 1x NEMA 5-15

* Vacuum Pump

- 100V-240V, 10/6 amps,
single-phase, 50/60 Hz
- 1x NEMA 5-15

• Heating and Cooling System

- * Heater 1 - Evaporator
 - 230V, 13 amps, single-phase,
50/60 Hz
 - 1x NEMA 6-20 plug
- * Heater 2 - Feed Vessel
 - 1kW, 230V, 9 amps, single-phase
 - 1x NEMA 6-20 plug
- * Chiller - Condensor
 - 230V, 16 amps, single-phase
 - 1x NEMA 6-20 plug

