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.

**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

**92% Botanical Compound Removal**  
**95% Target Purity**  
**Liquid Nitrogen Cold Trap**
**RFD-27**

**ROLLED FILM DISTILLATION**

**Small Operational Footprint**  
4-5 Liters per hour  
**Single operator**

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**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

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**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

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**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

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**What’s Required**
- Professional HVAC Technician for heat removal
- Licensed Electrician
- Heat Gun

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