Supercritical CO_2 System by Accudyne

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Specifications

Features

- Overall Dimensions: 19.5in x 19.5in x 19.5in / 49.5cm x 49.5cm x 49.5cm
- Weight: 77 lbs / 35 kgs
- Fully Automated Cycle Controls - "Set it and forget it" extraction and critical point drying cycles
- CO_2 and extract only contacts 300-series SS, PTFE, and glass

1 Liter Sample Extraction Vessel

- 3in (76mm) Internal Diameter; 9in (229mm) Internal Length
- 300-series Stainless Steel Construction
- Bolted Top Closure
- PTFE U-cup Top Closure Seal
- 3,000psi (200bar) Design Pressure
- Operates up to 2500psi (170bar) with Rupture-Disc Safety Feature

Haskel Air-Operated Pump

- 2.0mL Displacement (per stroke)
- Integrated Solid-State Cooling prevents cavitation (no separate glycol-filled chiller required)
- 100 grams/min Maximum CO_2 Flowrate Design

Utilities Required

- 110/240VAC single-phase @ 15/10amps (Plugs into standard outlet)
- Compressed Air: 90-140psi @ 3.5 SCFM
- Liquid CO_2 source (room-temperature or warmer siphon tank)
- Safe CO_2 vent location for process and safety lines

Base Prices for Standard SuperCube 1000+

- 30,000 USD
- 25,000 Pounds
- 28,500 Euros