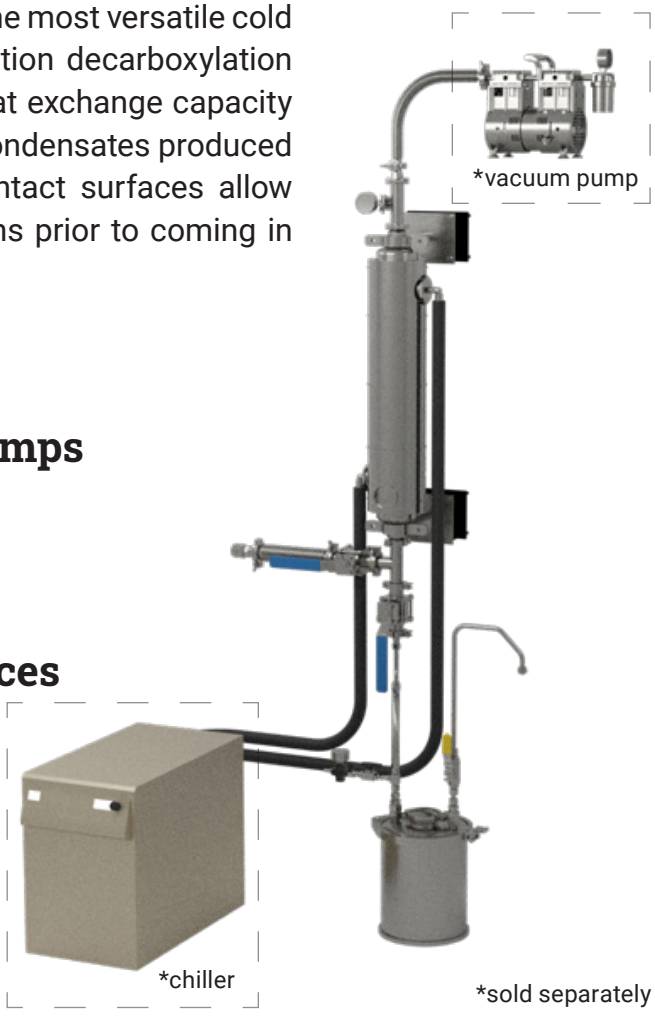
terpTRAP

Cold Trap Terpene Collector

extraktLAB®

DESCRIPTION

The terpTRAP terpene recovery module from extraktLAB is the most versatile cold trap available for terpene and vapor recovery in pre-extraction decarboxylation processes. The heat exchanger is capable of 20 tons of heat exchange capacity and process connections to support chilling, vacuum, and condensates produced by the largest decarboxylation processes. Food grade contact surfaces allow for recovery of terpenes for use in downstream formulations prior to coming in contact with ethanol or other extraction solvents.



*sold separately

FEATURES

- **Versatile Design to Protect Vacuum Pumps**
- **Full Spectrum Terpene Recovery**
- **GMP Compliant Product Contact Surfaces**
- **Scalable up to 10 tons/day (Depending on Biomass Moisture Content)**
- **Maximize the Throughput of Any Decarboxylation System**

EXTENDED

PROCESSING POWER

- 4 Gallon Standard Collection Pot
- 21.64 sq ft of Heat Exchange Area
- 1hp Standard Chiller Size
- 0 to 27.8 “Hg Relative Vacuum Rating

PROCESS CONTROL

- Decarboxylation Vapor Recovery
- Vacuum Pump Cold Trap
- Decreasing Moisture Carryover to Ethanol
- Compatible with High CFM & Low-Pressure Vacuum Pumps

GMP COMPLIANCE

- Metals: 316 Stainless Steel
- Polymers: Viton, Buna-N
- FDA Approved Materials
- International Certifications

SPECIFICATIONS

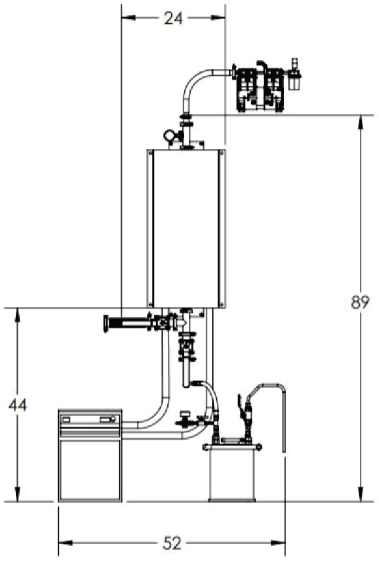
ATTRIBUTE	VALUE
General Specifications	
Dimensions (in)	L52 × W47 x H89
Unit Weight (lbs)	130
Sound Pressure (db)	<60
Footprint (sq ft)	25
Frequency (Hz)	50/60
Process Connection Length, KF 40 bellows (ft)	40
Certifications	UL 508A
Condenser	
Number of Condensers	1
Condenser Exhange Area (sq ft)	21.6
Required Vacuum ("Hg)	27
Collection Vessel/Expeller	
Collection Volume (gal)	4
Material	316SS
Product Contact Materials	
Metals	316SS
Polymers	Viton Buna-N
Warranty	
Duration (months)	12
Quality and Labor	Parts & workmanship

ATTRIBUTE	VALUE
Required: Vacuum Pump (Sold Separately)	
Voltage (V)	120
Pump FLA	3
Intake Exhaust Thread NPT (in)	0.25
Free Air Displacement (l/min)	7.1
Ultimate Vacuum Pressure (torr)	60
Maximum Vacuum ("Hg)	27.6
Required: External Chiller (Sold Separately)	
Chiller Voltage (V)	230
Phase	1
Chilller FLA (A)	10
Cooling Range (ºC)	- 10 to 40
Cooling Capacity @ 10ºC	1925 w (60HZ)
Chiller Fluid (Glycol/Water)	30/70
Chiller Fluid Reservoir (liters)	4.2
Chiller Fluid Max Flow Rate (l/min)	13.2
Chiller Fluid Max Pressure (psi)	100
Temperature Stability (º)	+/- 0.1
Refrigerant	R134A

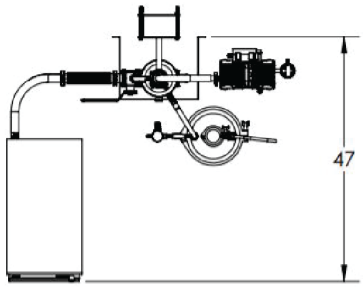
SOLD SEPARATELY:
Chiller, 1hp: #80-4003 (240V) 50/60Hz | #80-4406 (380V) 50/60Hz
Vacuum Oven, 7.5 cu. ft., 220v, 50/60Hz: | #80-4005
Vacuum Pump, (230V) 50/60Hz | #70-3121 (UL) or #70-3127 (CE)
DrainDroyd, #70-3010 (w/containment vessel)
DrainDroyd, #70-3009 (without containment vessel)
#80-9608 | GMP Equipment Commissioning & Training Package
#80-9606 | GMP Equipment Documentation Package
#80-9609 | Maintenance Package (12 months)

LINE DRAWINGS

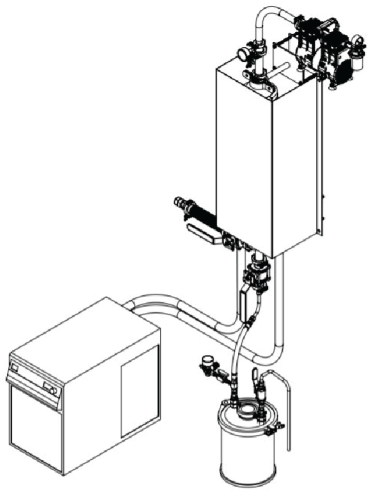
Dimensions shown include recommended minimum chiller & vacuum pump



SIDE VIEW



TOP VIEW


FRONT VIEW

To Order: terpTRAP: #10-0113 (208-230/380V)
Connection Kits: #10-1123 | Connects to Chiller (#80-4003/#80-4406)
#10-1107 | Connects to DrainDroyd (#70-3010)
#10-1115 | Connects to Vacuum Pump (#70-3121/#70-3127)
#10-1122 | Connects to Vacuum Oven (#80-4005)

extraktLAB®

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