

## DESCRIPTION






fracTron is a three-stage falling film distillation system designed for rapid and complete removal of volatiles from liquids. It supports throughput capacity of up to 40 gallons per hour in a continuous process flow.

The fracTron can support three independent fractional separations with independent mass flow and temperature control. An inert carrier gas is incorporated to accelerate throughput while eliminating flammability concerns.

Programmable methods enable automated GMP process control with reporting, and GMP certified stainless-steel materials support global market requirements.



## FEATURES

-  **Up to 40 gal/hr Capacity**
-  **3-stage Fractional Separation**
-  **Inert Carrier Gas**
-  **C1D2 Compliant**
-  **UL 698A Listed Components**

## EXTENDED

### PROCESSING POWER

- Up to 40 gallons/hour solvent removal
- Continuous process flow reduces labor
- Complete solvent removal eliminates secondary processing
- Inert carrier gas for safe operation
- 3 independent fractional separations
- Shorter run times, reduced downtime

### PROCESS CONTROL

- 3 stills independently controlled
- Containment between stages
- Programmable methods with user authentication
- Out-of-operating-spec alarms
- Mass flow tracking of yields
- Data visualization and alarms
- WIFI enabled monitoring and control

### GMP COMPLIANCE

- Lot, calibration and maintenance tracking
- Barcode-enabled paper and electronic traceability
- C1D2 compliant
- VOC detector and alarms
- Z-purged electronics for NFPA compliance
- GMP compliant materials
- Easy clean-in-place capabilities
- 21 CFR Part 11 software

# SPECIFICATIONS

ATTRIBUTE	VALUE
<b>General Specifications</b>	
Dimensions (in)	L90 x W37 x H90
Footprint (sq ft)	25
Unit Weight (lbs)	2310.36
Sound Pressure (db)	<60
<b>Electrical Specifications</b>	
Voltage (VAC)	208-230/380
Frequency (Hz)	50/60
Full Load Amps (amps)	80
Phase	3
Certifications, Listed	UL 698A
E-stop; Thermal Switches	Standard
<b>Fluidics Specifications</b>	
Number of Pumps	5
Valves	7
<b>Control Interface Specifications</b>	
Control Interface	HMI panel
Network Connectivity	Cat5e
Process Integration	igwLAB compatible
Data Logging	On screen

ATTRIBUTE	VALUE
<b>Evaporator Specifications</b>	
Vessels	3
Evaporator Vessel Volume (L)	16
Operating Pressure (psia)	10
Heating Range (°C)	38 - 260
Heating Capacity (kW/zone)	6 - 18
Heating Zones of Control	3
Heater Reservoir (gal)	58
Heater Fluid	Delf 600
<b>Condenser Specifications</b>	
Number of Condensers	3
Condenser Exchange Area (ft <sup>2</sup> )	21.6
Cooling Range (°C)	-15 < X < -1
Cooling Capacity (at 30°C, kW)	54
Chiller Fluid	40/60 glycol/water

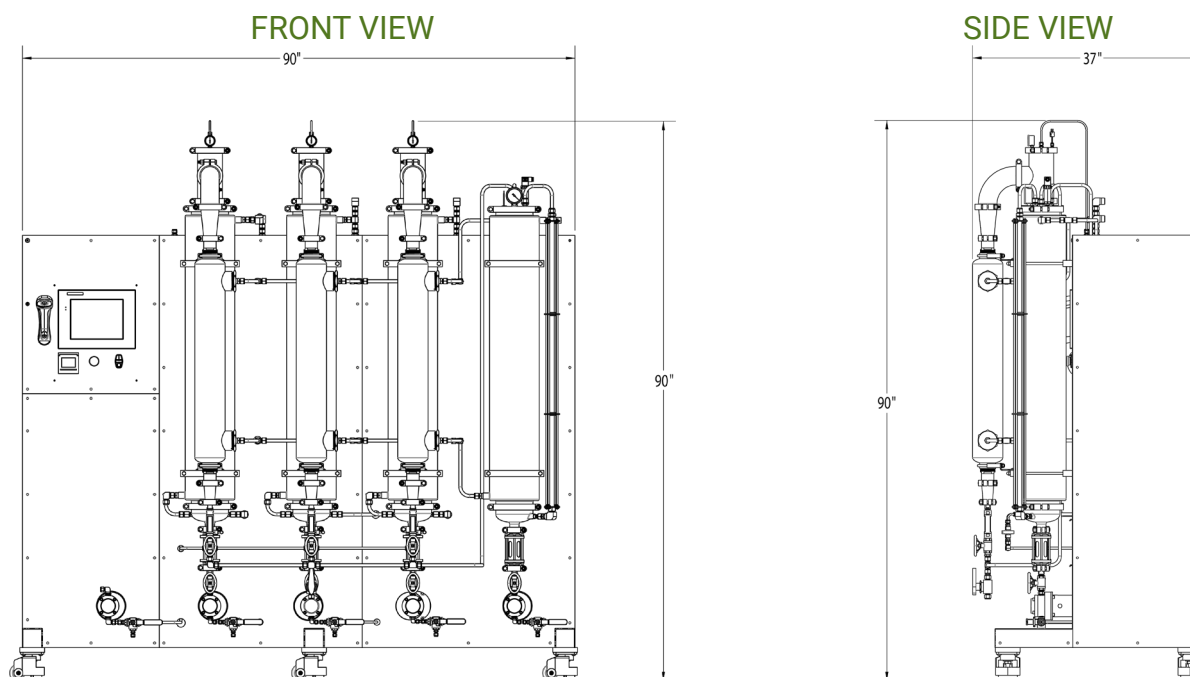
ATTRIBUTE	VALUE
<b>Collection Vessels</b>	
Collection Vessel Volume (L)	7
Operating Pressure (psia)	10
Ethanol Collectors	1
<b>Materials</b>	
Metals	316SS, 304SS
Polymers	Viton
<b>Warranty</b>	
Duration (months)	12
Quality and Labor	Parts & workmanship

## SOLD SEPARATELY:

Chiller Requirement: 45 GPM, 230v/3ph/60 Hz  
 Heater Requirement: 18kW, 18 GPM, 230v/3ph/60 Hz  
 Required: Kit, Critical Spares, #10-1064  
 Required: Kit, Startup, #10-1098

#80-9608 | GMP Equipment Commissioning & Training Package  
 #80-9606 | GMP Equipment Documentation Package  
 #80-9609 | Maintenance Package (12 months)

# LINE DRAWINGS



To Order:  
**fracTron-1000: #10-0080 (208-230V) | #10-0152 (380V)**  
 Chiller Kit #10-1059 (208-230V) | #10-1111 (380V)  
 Heater Kit #10-1058 (208-230V) | #10-1070 (380V)



#10-0080 | 651-600-0036 | [EXTRAKTLAB.COM](http://EXTRAKTLAB.COM)  
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