



## Single Stage KDT-10 Short Path Distillation Unit



### General Information

Evaporator Type:	Short Path
Evaporator Construction:	316 Stainless Steel
Evaporator Surface Area:	0.10 m <sup>2</sup>
Feed Metering System:	Gear Pump

### Unit Dimensions

100" L x 32" W x 83" H

### General Operating Characteristics

Evaporator Temperature Range: Amb to 300 C  
Cold Trap: -50 C  
Ultimate Vacuum: 0.001 Torr  
Flow Rate: ~7 L/hr.

\*Specification may vary based on configuration

### Electrical Specifications

208-240V 3-Phase Up to 109 Amps (Based on Configuration)

### Utilities

Exhaust for Vacuum Pump Recommended

### Circulator Fluids Needed

JaryTherm DBT for Hot Oil Circulators  
Ethylene Glycol for Condenser Circulator  
Julabo C5 for Cold Trap

Evaluated to NSF/ANSI 8 – 2018 –  
Commercial Powered Food Preparation  
Equipment Standards by





## NRTL Listings

Description	NRTL Body
Hot Oil Circulator	QPS
Chiller Circulator	QPS
Gear Motor ¼ Hp	UL, CSA
TEFC Motor 1 Hp	cUL <sub>us</sub>
Vacuum Pump	cUL <sub>us</sub> , cUL <sub>us</sub>
Turbo Molecular Pump	UL, CSA
Vacuum Sensor	cETL <sub>us</sub>
Electrical Control Enclosure	cUL <sub>us</sub>

## Handling Requirements

Frame is on Stainless Steel Casters  
Unit Weight: 2350 lbs  
Requires Forklift for Unloading of Truck

## Installation and Training

3 days Onsite Installation and Training Included

## Optional Upgrades

Dry Ice / Liquid Nitrogen Insert for Cold Trap  
PLC System for data logging and minor automation

