



Three Stage KDT-10 Short Path Distillation Unit



General Information

Evaporator Type: Short Path
Evaporator Construction: 316 Stainless Steel
Evaporator Surface Area: 0.10 m²
Feed Metering System: Gear Pumps

Unit Dimensions

207" 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.

Electrical Specifications

230V 3-Phase Up to 286Amps (Based on Configuration)

Utilities

Exhaust for Vacuum Pump Recommended

Circulator Fluids Needed**

Marlotherm SH for Hot Oil Circulator
Ethylene Glycol for Condenser Circulators
Julabo C5 for Cold Trap

*Specification may vary based on configuration

**Only use appropriate fluids as per circulator manufacturer operating manual

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





CHEMTECH SERVICES, INC.



Short Path Distillation Services

NRTL Listings

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

Handling Requirements

Frame is on Stainless Steel Casters

Unit Weight: ~6000 lbs

Requires Forklift for Unloading of Truck

Installation and Training

5 days Onsite Installation and Training Included

Optional Upgrades

Dry Ice / Liquid Nitrogen Insert for Cold Trap

PLC System for data logging and minor automation

Rollled Film on First Stage (shown in picture)

