



Two Stage KDT-10 Short Path Distillation Unit



General Information

Evaporator Type:	Short Path
Evaporator Construction:	316 Stainless Steel
Evaporator Surface Area:	0.10 m ²
Feed Metering System:	Gear Pumps

Unit Dimensions

167"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

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

Electrical Specifications

208-240V 3-Phase Up to 129 Amps (Based on Configuration)

Utilities

Exhaust for Vacuum Pump Recommended

Circulator Fluids Needed **

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

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} , 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: 4000 lbs

Requires Forklift for Unloading of Truck

Installation and Training

4 days Onsite Installation and Training Included

Optional Upgrades

Dry Ice / Liquid Nitrogen Insert for Cold Trap

PLC System for data logging and minor automation

