



Single Stage KDL-6 Short Path Distillation Unit



General Information

Evaporator Type: Short Path
Evaporator Construction: Borosilicate Glass
Evaporator Surface Area: 0.06 m²
Feed Metering System: Gear Pump

Unit Dimensions

75" L x 28" W x 76" H

General Operating Characteristics

Evaporator Temperature Range: Amb to 300 C
Cold Trap: -50 C
Ultimate Vacuum: 0.001 Torr
Flow Rate: ~1.5 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 100 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
Overhead Stirrer 1/18 Hp	cCSA _{US}
Vacuum Pump	c ^{RU} _{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: 1500 lbs
Requires a Forklift for Unloading of Truck

Installation and Training

2 days Onsite Installation and Training Included

Optional Upgrades

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



Peer Reviewed
by



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