

HELDERPAD



General Information

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

Unit Dimensions:

155" 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: ~5 L/hr.

Electrical Specifications:

230V 3-Phase Up to 129 Amps (Based on Configuration)

Utilities

Exhaust for Vacuum Pump Recommended

Circulator Fluids Needed

Marlotherm SH for Hot Oil Circulator
Ethelene Glycol for Condenser Circulators
Ethanol for Cold Trap

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NRTL Listings

Description	NRTL Body
Hot Oil Circulator	PSQ
Chiller Circulator	PSQ
Gear Motor ¼ Hp	UL, CSA
TEFC Motor ½ Hp	cCSA _{US} , UR
Vacuum Pump	c _{RU} ^{US} , cUL
Turbo Molecular Pump	UL
Vacuum Sensor	cETL _{US}
Electrical Control Enclosure	UL

Handling Requirements

Frame is on Stainless Steel Casters
Unit Weight: ~4000 lbs
Requires 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

