

# SHORT PATH DISTILLATION UNIT

## SYSTEM SPECIFICATIONS

Our short path distillation offerings consist of 2 Different models, a 6" WFE & 10" WFE. Crude oil with no residuals solvents can be fed at 5-25L per hour on our 6" WFE model, and up to 50L per hour on our 10" WFE model. Both systems are a single pass design, but a second pass can be done to achieve a high potency concentrate in the 90% range. See below information on the 10" WFE Model.



### COLD TRAPS

SYSTEM	LENGTH	WIDTH	HEIGHT	WEIGHT	# of Cold Traps	2 inline (Series)
Vacuum Skid	36"	24"	49"	900 lbs	Cold Trap Condensor SA (each)	.54 m2
Main Skid	150"	50"	175"	1,600 lbs		

### CONTROLS AND ELECTRICAL

Certifications	UL Certification 508A
	Nema Type 4-X
	Rated for Class 1, Div 2
Emergency Stop	Standard Switches
Alarms	Visual
Network Connectivity	Cat6

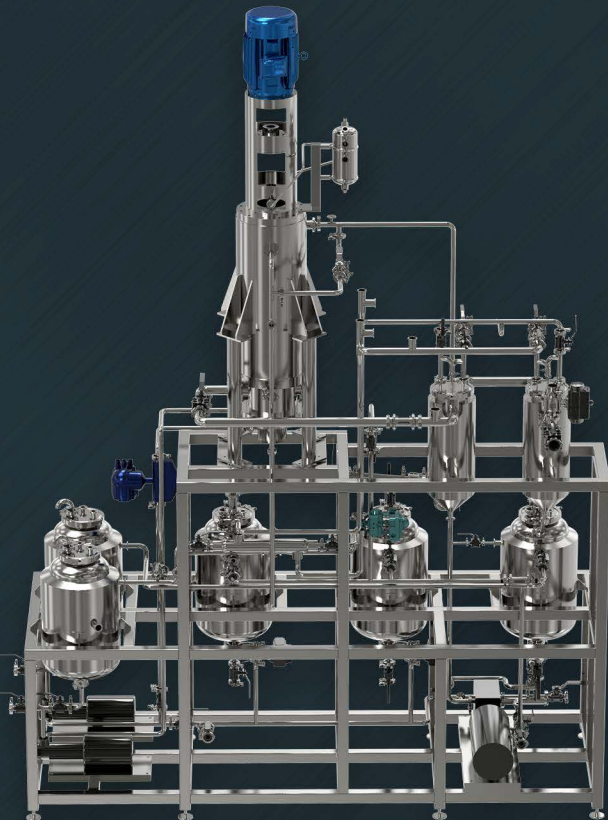
FLA	106
Breaker Size	110
Voltage/Phase	208V 3phase
Frequency	60 Hz
Interface	9" HMI Touch Screen

### MATERIAL FEED & FLUIDICS

Feed Tank	1 Jacketed and Insulated 10 Gallon Tank
Feed Pump	1 Positive Displacement Pump
Feed rate	15-50 Kg/Hr
Mass Flow Meter	Coriolis

### VACUUM SYSTEMS

Primary Pump	Oil Rotary Vein Pump
Booster Pump	Mag Drive Booster
Pressure (Torr)	Approximately
Pressure Sensor	Vacuum Sensor Rated 0-75Torr



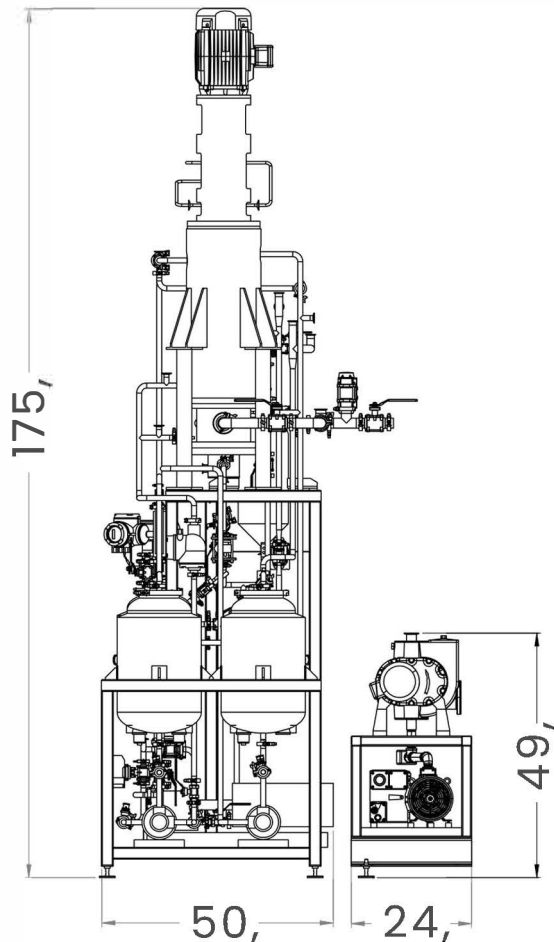
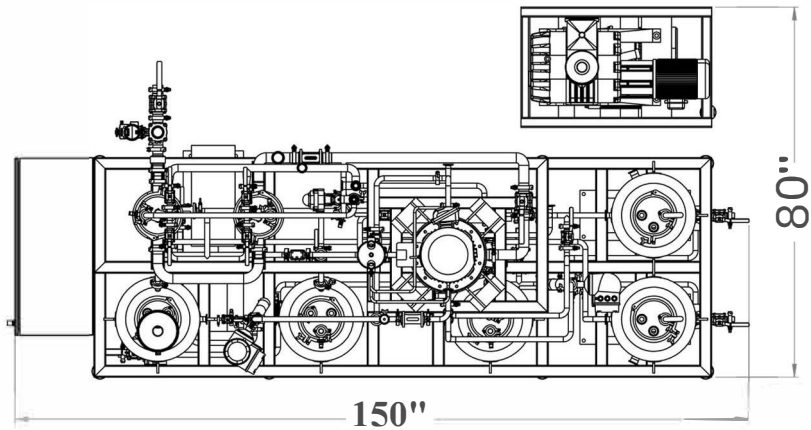


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**SHORT PATH  
DISTILLATION  
UNIT**

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### EVAPORATOR

Heating Range	40-200 C
Elastomers	PTFE, Aflas
Seal	Double Mechanical incl Seal Pot
Insulation	Ceramic
Evap SA	.63 m2
Condenser SA	1.29 m2
Diameter	265 mm
Mixer RPM	0-900

### UTILITIES

Heating Utility	Heat Transfer Fluid - Oil
Heating Oil Tank	1 Jacketed 10 Gallon Tank
Heating Oil Pump	1 Positive Displacement Pump
Power of Heating Utility (kW)	10
Condensor Utility	Heat Transfer Fluid - Oil
Condensing Utility Oil Tank	1 Jacketed 10 Gallon Tank
Condensing Utility Oil Pump	1 Positive Displacement Pump
Total Cooling Load (CTs and Condensor)	20,000 BTU/HR