








DESCRIPTION

clearSTILL-200 is a single-stage wiped film distillation machine designed to refine and clarify viscous oils. The clearSTILL-200 features a 6" evaporator; 20L jacketed reservoir; an independently, thermally controlled condenser and cold finger; a roughing pump; and a turbo vacuum capable of meeting a wide range of separation goals. The equipment may be used for low boiler stripping operations and oil refinement and purification. The equipment supports throughput capacity of 2-3L per hour and is manually operated. The equipment can be ordered at the time of production with a GMP compliant documentation package that will aid in GMP commissioning & qualification.

FEATURES

-  **Gear Pump Feed Pump**
-  **Large Heated Reservoir**
-  **Jacketed Piping**
-  **High Temperature Maintenance**
-  **Residual & Distillate Gear Pumps**
-  **Continuous Oil Removal**
-  **Vacuum Conditioning System is Capable of Deep Vacuum**



EXTENDED

PROCESSING POWER

- Single-Stage wiped film distillation
- Single stainless still with independent temperature control for evaporator jacket, condensing finger, roughing pumps, and turbo pumps.
- Oil-free pumps eliminate oil changes & oil contamination of the product.
- Integrated cold-finger cleaner
- Roughing vacuum pumps

PROCESS CONTROL

- Ultrasonic, laser, mass, and vacuum sensors enable superior process control capability

GMP COMPLIANCE

- Certified wetted materials
- Easy clean-in-place capabilities

SPECIFICATIONS

ATTRIBUTE	VALUE
General Specifications	
Dimensions (in)	L70 x W42 x H71
Unit Weight (lbs)	1200
Sound Pressure (db)	<60
Electrical Specifications	
Certifications, Listed	UL 508A, CSA, cUL, CE
Frequency (Hz)	50/60
Full Load Amps (amps)	37
Phase	3
Voltage (VAC)	208-230/380
Fluidics Specifications	
Condensate Pumps	1
Feed Pumps	1
Feed Rate (L/hr)	3
Residual Pumps	1
Control Interface Specifications	
Control Input	Manual

ATTRIBUTE	VALUE
Evaporator Specifications	
Diameter (in)	6
Distillation Vessels	1
Heating Jacket	All tubes, pumps
Heating Range (°C)	28 - 300
Power (kW)	9
Vacuum System Specifications	
Roughing Vacuum Pump	1
Short Path Pressure (torr)	0.001
Turbo Vacuum Pump	1
Type	Oil-Free
Wiped Film Pressure (torr)	0.1
Feed Vessel	
Vessel Volume (L)	7

ATTRIBUTE	VALUE
Condenser Specifications	
Distillation Condensers	1
Colt Trap Condensers	2
Materials	
Metals	316SS, 304SS
Speciality Polymers	Viton, PTFE, EPDM
Performance Specifications*	
Cooling Range (°C)	-40 < X < -1
<i>*Actual Performance Results May Vary</i>	
Warranty for United Science Parts	
Duration (months)	12
Quality and Labor	Parts & workmanship

SOLD SEPARATELY:

Required: Kit, Critical Spares, #10-1057

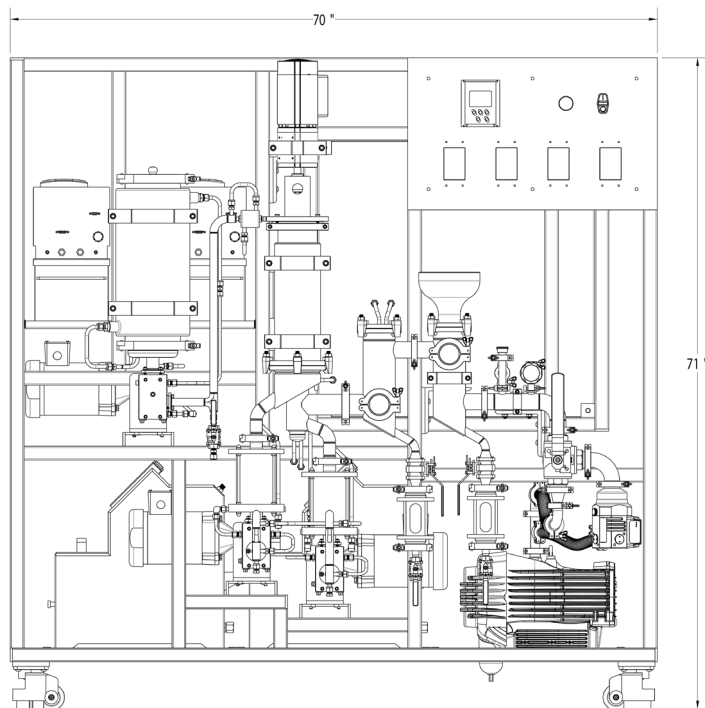
Required: Kit, Startup, 10-1056

#80-9608 | GMP Equipment Commissioning & Training Package

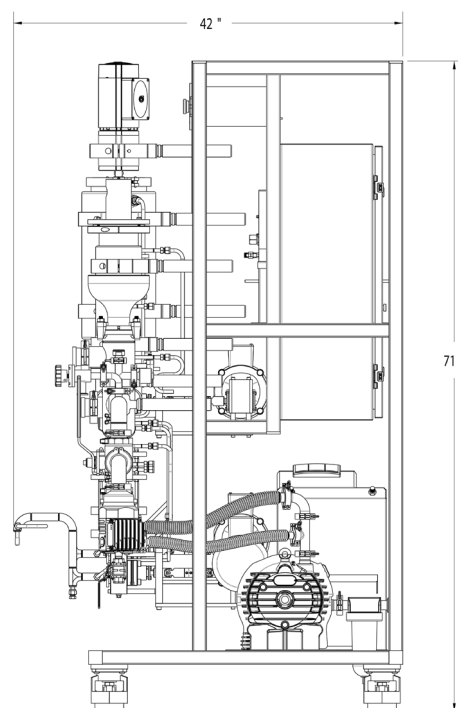
#80-9606 | GMP Equipment Documentation Package

#80-9609 | Maintenance Package (12 months)

LINE DRAWINGS



FRONT VIEW



SIDE VIEW

To Order:

clearSTILL-200 #10-0144 (208-230V) | #10-0132 (380V)

Critical Spares Kit #10-1057

clearSTILL Startup Kit #10-1056



651-600-0036 | EXTRAKTLAB.COM
500 SIMMON DR. OSCEOLA, WI 54020

