

# 6" SS Wipe Film Distillation

## SYSTEM SPECIFICATION

### Technical Data

- **Effective Evaporation area:** 0.25m<sup>2</sup>
- **Ultimate vacuum degree:**  $\leq 1.0$ Pa
- **Barrel inside diameter:** 150 mm
- **Motor Power:** 120W
- **Max RPM:** 300
- **Processing Flow:** 2.0-5.0L/H
- **Feeding system:** 5L manual
- **Discharge system:** ball valve
- **Power supply:** 220V/60Hz 1 phase

### Evaporator

- **Pressure:** Not pressurized
- **Temperature:** max 225°C (437°F)
- **Materials:** 304 stainless steel
- **Vessel:** interior is polished to food grade level
- **Closures:** flange
- **Sealing:** PTFE flat seals
- **Temperature measurement:** Pt100 sensors
- **Water Jacket volume:** 100 Liters (26.5 gallons)
- **Raw material feed:** manual mode
- **Raw material spread:** low speed wiper

### Condenser

- **Separator:** 2 stage condenser with cold trap
- **Pressure:** No pressure
- **Temperature:** -20°C (-4°F)
- **Materials:** 304 stainless steel

### Chiller

- **Construction:** Recirculating cooler
- **Range:** -20°C
- **Rate:** 22 L/min
- **Volume:** 6L

### Heat/Cold Exchanger

- **Construction:** Cooling and heating circulator
- **Range:** -20°C to 150°C
- **Rate:** 22 L/min
- **Volume:** 17L



### Heat Circulation

- **Construction:** Heating circulator
- **Range:** +100°C to 220°C
- **Rate:** 22 L/min
- **Volume:** 17L

### Vacuum Pump

- **Air Compressor:** Dual Stage
- **Temperature range:** -10°C to 50°C (14°F to 158°F)
- **Ultimate Pressure:** 1 x 10<sup>-3</sup> mbar

### Physical Dimensions

- **Height:** 83"
- **Length:** 87"
- **Width:** 26"
- **Total weight:** app. 1 210 lb
- **Floor mounting area:** min. 20 m<sup>2</sup>
- **Ceiling height:** 2.5 m

### Control System

- **Functions:** Programmable Logic Controller (PLC) with first level safety functionality and user programmable temperature.

For pricing information, a demo or more information contact: