

1000L LPE Extraction System

PRODUCTION SERIES



Extraction Vessel

- **Volume:** 2x500L vessel holds up to 200-300 pound of dried and ground material
- **Pressure:** Maximum system operating pressure 12 bar
- **Temperature:** max 85°C (185°F)
- **Power consumption [instaled]:** 150 kW
- **Materials:** 304 stainless steel
- **Vessel:** interior is polished to food grade level
- **Closures:** ASME flange, both ends
- **Sealing:** PTFE flat seals
- **Temperature measurement:** Pt100 sensors
- **Water Jacket volume:** 200 Liters (53 gallons)
- **Safety:** spring loaded safety relief valve
- **Raw material feeding:** vacuum mode
- **Residue removal:** vacuum mode, quick closure
- **Raw material agitation:** low speed stirrer



Chiller/Receiver

- **Refrigeration:** heat pumping
- **Temperature range:** 20°C to 45°C (68°F to 113°F)
- **Maximum solvent content:** 1000 kg

Skid & Extractors Physical Dimensions

- **Skids number:** 1 pieces
- **Height:** 3000 mm
- **Length:** 5000 mm
- **Width:** 5000 mm
- **Total weight:** app. 12,000 kg
- **Floor mounting area:** min. 60 m²
- **Ceiling height:** 5.5 m

Control System

- **Functions:** Fully automatic Programmable Logic Controller (PLC) touch screen interface with first level safety functionality and user programmable pressure, temperature and time.
- **Safety:** pressure transducers monitor system pressure and shut down system to prevent accidental over-pressurization

Separator/Collection Vessel

- **Separator:** Jacketed separator/collection vessel
- **Volume:** 1 pieces x 150 Liters
- **Pressure:** Maximum system operating pressure 12 bar
- **Temperature:** max 85°C (185°F)
- **Materials:** 304 stainless steel
- **Cleaning:** manual by direct access
- **Safety:** spring loaded safety relief valve
- **Flow path:** from extractor to separator is continuous diameter with no constrictions

Heat Exchanger

- **Construction:** Plate type and shell & tube type
- **Materials:** all 304 stainless steel
- **Cooling/Heating:** R134a refrigerant

For pricing information, a demo or more information contact:

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