

100L LPE Extraction System



Product Spec

Extraction Vessel

- **Volume:** 2x50L vessel holds up to 10-15 pounds dry material
- **Pressure:** Maximum system operating pressure 12 bar
- **Temperature:** max 45C (113F)
- **Materials:** 304 stainless steel
- **Vessel:** interior is polished to food grade level
- **Closures:** ASME flange
- **Sealing:** Flanges with PTFE flat seals
- **Temperature measurement:** Pt100 sensors
- **Water Jacket volume:** 25 Liters (6.6 gallons)
- **Safety:** spring loaded safety relief valve
- **Raw material feed:** top loading
- **Residue removal:** flange closure, manual

Separator/Collection Vessel

- **Separator:** Jacketed separator/collection vessel
- **Volume:** 75 Liters (20 gallons)
- **Pressure:** Maximum system operating pressure 12 bar
- **Temperature:** max 60C (140F)
- **Materials:** 304 stainless steel
- **Sealing:** Flanges with PTFE flat seals
- **Safety:** spring loaded safety relief valve
- **Flow path:** continuous diameter with no constrictions

Heat Exchanger

- **Construction:** refrigeration unit
- **Materials:** all 304 stainless steel
- **Cooling/Heating:** R404a refrigerant



Chiller/Receiver

- **Refrigeration:** heat pumping
- **Temperature range:** -10C to 50C (14F to 158F)
- **Maximum solvent content:** 130 kg

Skid Physical Dimensions

- **Height:** 1,800 mm
- **Length:** 1,950 mm
- **Depth:** 1,090 mm
- **Total weight:** app. 1,500 kg
- **Floor mounting area:** min. 16 m²
- **Ceiling height:** 2.5 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.

For pricing information, a demo or more information contact:

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