

100L MAX LPE Extraction System

Product Spec



Extraction Vessel

- **Volume:** 2x50L vessel holds up to 20-25 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:** 23 Liters (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:** 65 Liters (17.2gallons)
- **Pressure:** Maximum 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 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 125F)
- **Maximum solvent content:** 110 kg



Skid Physical Dimensions

- **Height:** 1,600 mm
- **Length:** 1,950 mm
- **Depth:** 1,150 mm
- **Total weight:** app. 1,600 kg
- **Floor mounting area:** min. 14 m²
- **Ceiling height:** 2.5 m

Control System

- **Functions:** Fully Automatic Programmable PLC, touch screen interface with first level 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:

[Email: info@comerg.com](mailto:info@comerg.com)

Tel: 602-992-0744

Web: www.comerg.com