

200L LPE Extraction System

PRODUCT SPEC



Extraction Vessel

- **Volume:** 2x100L vessel holds up to 20-40 pounds dry material
- **Pressure:** Maximum system operating pressure 14 bar
- **Temperature:** max 85C (185F)
- **Materials:** 304 stainless steel
- **Vessel:** interior is polished to food grade level
- **Closures:** ASME flange, both ends
- **Sealing:** PTFE flat seals
- **Temperature measurement:** IPT100 sensors
- **Water Jacket volume:** 100 Liters (26.5 gallons)
- **Safety:** spring loaded safety relief valve
- **Raw material feed:** vacuum mode
- **Residue removal:** vacuum mode, clamp closure
- **Raw material agitation:** low speed stirrer



Separator/Collection Vessel

- **Separator:** Jacketed separator/collection vessel
- **Volume:** 15 Liter
- **Pressure:** Maximum system operating pressure 14 bar
- **Temperature:** max 71C (160F)
- **Materials:** 304 stainless steel
- **Closures:** Rotary spray ball
- **Safety:** spring loaded safety relief valve
- **Flow path:** from extractor to separator is 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:** 350 kg

Skid Physical Dimensions

- **Height:** 2,400 mm
- **Length:** 3,000 mm
- **Width:** 1,200 mm
- **Total Weight:** app. 3,500 kg
- **Floor mounting area:** min. 50 m²
- **Ceiling height:** 4.0 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:

Email: info@comerg.com

Tel: 602-992-0744

Web: www.comerg.com