

200L LPE Extraction System

PRODUCTION SERIES

PLC
Powered

Extraction Vessel

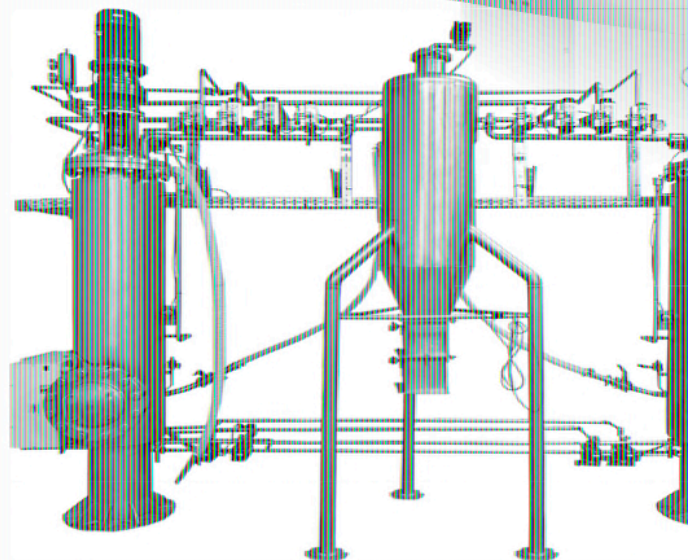
- **Volume:** 2x100L vessel holds up to 60-40 pound of dried and ground material
- **Pressure:** Maximum system operating pressure 30 bar
- **Temperature:** max 71C (160F)
- **Materials:** 304 stainless steel except closure bolts which are zinc coated grade 8 steel.
- **Vessel:** interior is polished to food grade level
- **Closures:** ASME flange, both ends
- **Sealing:** self energized o-ring seals
- **Temperature measurement:** internal K type thermocouple senses
- **Jacket volume:** 100 Liters (51.33 gallon)
- **Safety:** spring loaded safety relief valve

Separator/Collection Vessel

- **Separator:** Jacketed separator/collection vessel
- **Volume:** 10 Liter
- **Pressure:** Maximum system operating pressure 30 bar
- **Temperature:** max 71C (160F)
- **Materials:** 304 stainless steel
- **Closures:** high pressure clamp
- **Sealing mechanism:** sanitary gasket
- **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:** R134a refrigerant



Chiller/Receiver

- **Refrigeration:** cooling
- **Temperature range:** -10C to 50C
- **Maximum solvent content:** 350

Physical Dimensions

- **Height:** 2500mm
- **Length:** 3020mm
- **Width:** 200mm
- **Weight:** 1000kg

Control System

- **Functions:** Fully automatic Programmable Logic Controller (PLC) touch screen interface with advanced functionality and user programmable parameters and time.
- **Safety:** pressure transducers monitor system pressure and shut down system to prevent accidents.