

10L HTE LPE Extraction System

Product Spec



Extraction Method

- **Solvent:** HFA134a, HFC134a, R134a

Extraction Vessel

- **Volume:** 1x10L vessel holds up to 3 pounds of dry material
- **Pressure:** Maximum operating pressure 12 bar
- **Temperature:** 15C to 45C (59F to 113F)
- **Materials:** 304 stainless steel
- **Vessel:** Interior is polished to food-grade level
- **Closures:** ASME flange
- **Sealing:** Flanges with PTFE flat seals
- **Temperature measurement:** Pt 100 sensors
- **Water Jacket volume:** 10 Liters (2.6 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:** 16 Liters (4.2 gallons)
- **Pressure:** Maximum operating pressure 10 bar
- **Temperature:** max 60C (140F)
- **Materials:** 304 stainless steel (316 option)
- **Seals:** PTFE flat seals
- **Safety:** spring-loaded safety relief valve
- **Flow path:** continuous with no constrictions

Heat Exchanger

- **Construction:** refrigeration unit
- **Materials:** 304 stainless steel
- **Cooling/Heating:** R134a refrigerant

Chiller/Receiver

- **Refrigeration:** heat pump
- **Temperature range:** -10C to 50C (14F to 122F)
- **Maximum solvent content:** 35 kg



Physical Dimensions

- **Height:** 1,250 mm
- **Length:** 920 mm
- **Depth:** 780 mm
- **Total weight:** app. 250 kg

Physical Dimensions

- **Voltage:** 220V
- **Power:** 2kW (4-way 50A Plug)

Control System

- **Functions:** Fully Automatic Programmable PLC, touch screen interface with first-level functionality and user-programmable pressure, temperature, and time.
- **Safety:** Non-Flamable, Non-Explosive, Non-Toxic, pressure transducers monitor system pressure and shut down the system to prevent accidental over-pressurization.

For pricing information, demo, or more information contact:

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