

50L MAX HTE Extraction System

Product Spec



Extraction Method

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

Extraction Vessel

- **Volume:** 2x25L vessel holds up to 10 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:** 15 Liters (4 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:** 40 Liters (10.6 gallons)
- **Pressure:** Maximum operating pressure 12 bar
- **Temperature:** max 60C (140F)
- **Materials:** 304 stainless steel (316 option)
- **Safety:** spring-loaded safety relief valve
- **Flow path:** continuous with no constrictions

Heat Exchanger

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

Chiller/Receiver

- **Refrigeration:** heat pumping
- **Temperature range:** -10C to 50C (14F to 122F)
- **Maximum solvent content:** 65 kg



Skid Physical Dimensions

- **Height:** 1,550 mm
- **Length:** 1,750 mm
- **Depth:** 800 mm
- **Total weight:** app. 1,000 kg
- **Floor mounting area:** min. 10 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:** 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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