

100L MAX HTE Extraction System

Product Spec



Extraction Method

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

Extraction Vessel

- **Volume:** 2x50L vessel holds up to 10-15 pounds of dry material
- **Pressure:** Maximum system operating pressure 12 bar
- **Temperature:** 15°C to +45°C (59°F to 113°F)
- **Materials:** 304 stainless steel
- **Vessel:** Interior is polished to food-grade level
- **Closures:** ASME flange, both ends
- **Sealing:** Flanges with PTFE flat seals
- **Temperature measurement:** Pt 100 sensors
- **Water Jacket volume:** 25 Liters (6.6 gallons)
- **Safety:** spring-loaded safety relief valve
- **Raw material feed:** top loading
- **Residue removal:** flange closure, manual
- **Raw material agitation:** constant flow

Separator/Collection Vessel

- **Separator:** Jacketed separator/collection vessel
- **Volume:** 75 Liters (20 gallons)
- **Pressure:** Maximum operating pressure 12 bar
- **Temperature:** max 60°C (140°F)
- **Materials:** 304 stainless steel (316 option)
- **Cleaning:** Rotary spray ball
- **Safety:** spring-loaded safety relief valve
- **Flow path:** continuous diameter with no constrictions

Heat Exchanger

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

Chiller/Receiver

- **Refrigeration:** heat pumping
- **Temperature range:** - 10°C to 50°C (14°F to 122°F)
- **Maximum solvent content:** 130 kg



Skid Physical Dimensions

- **Height:** 1,800 mm
- **Length:** 1,950 mm
- **Depth:** 1,090 mm
- **Total weight:** app. 1,500 kg
- **Floor mounting area:** min. 16 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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