PRODUCT DATASHEET

Refrigerant Recovery and Reclamation Skid

Recover, clean and refill used HFC and HFO refrigerants

Product page





Close-up: filter-driers and purge condenser

OVERVIEW

The Tech Inc. Refrigerant Recovery and Reclamation Skid turns used refrigerant into reusable product. Recovered refrigerant from service cylinders or equipment is evaporated to leave the oil behind, passed through filter-driers to remove moisture and acid, stripped of air and other non-condensable gases, and condensed into clean cylinders on a scale.

TYPICAL DESIGN DATA

Refrigerants	HFCs, HFOs and blends, by agreed list
Product quality	Cleaned for testing against AHRI 700 or the local reuse standard
Moisture and acid	Replaceable filter-driers with indicators
Codes and standards	Pressure equipment to ASME VIII and ASME B31.3; product tested to AHRI 700 or the local standard
Non-condensables	Automatic purge with minimum refrigerant loss
Pressure	To about 30 barg
Safety	Components for mildly flammable refrigerants where required

MODELS AND CAPACITIES

- **TI-RRR-50** – about 50 kg/h
- **TI-RRR-400** – about 400 kg/h
- **TI-RRR-150** – about 150 kg/h
- **TI-RRR-D** – distillation unit, sized to the duty

Indicative processing rate of liquid refrigerant.

ORDERING CODE

Example **TI-RRR-150-R-F**: **150** processing rate, kg/h; **R** scope: R reclamation, C recovery, D distillation; **F** options: F filling station, A analyser, Z flammable-refrigerant build.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: distillation column for difficult duties; moisture and purity analyser; cylinder heating and vacuum station; flammable-refrigerant build; spare filter-drier cores.

KEY ADVANTAGES

- **Reuse, not venting** – used refrigerant cleaned for sale
- **Clean product** – oil, moisture, acid and air removed
- **Accurate filling** – cylinders filled by weight
- **Safe** – relief valves and components for mildly flammable gases

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