

## **TE RCU RT0010**

### **NOT FLAMMABLE REFRIGERANTS RECOVERY & CLEANING UNIT FOR HVAC & COOLING EQUIPMENT**

#### **GENERAL DESCRIPTION**

The unit allows refrigerants to be recovered from Mid to Large HVAC & Cooling Equipment, separated from oil, dust, acidity and humidity and stored in a proper pressure cylinder.

TE RCU RT0010 recovers and recycles all not flammable medium, high pressure commercial refrigerants (R-410A version available) from the circuit to be evacuated.

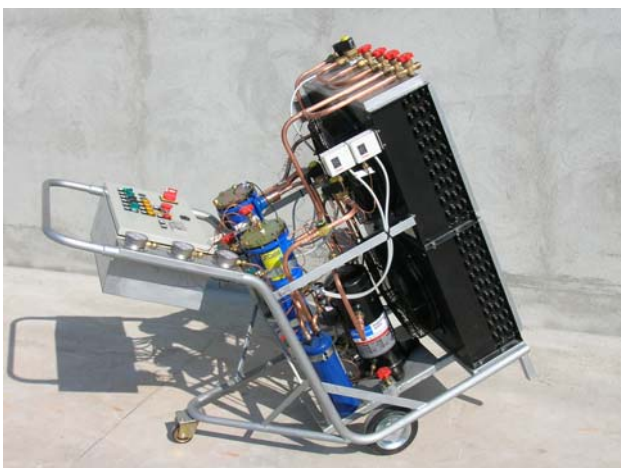
In Liquid Removal operational phase refrigerant is first vaporized in a heat-exchanger and allowed to expand in a chamber (Oil Separator) for oil settling; oil is continuously heated by the hot refrigerant coming from the compressor in order to strip the refrigerant yet dissolved into the oil.

The compressing/condensing unit, composed by a scroll compressor and two air heat-exchangers, condenses the fluid and send it to storage.

In Gas Removal operation, the refrigerant undergoes the same processing steps of the Liquid options, except for first vaporization in the heat-exchanger.

A level switch alerts the operator to start the oil discharging procedure (manual): refrigerant-free oil can be disposed according to local regulations.

The system is equipped with an electrical board to control and monitor the unit while working; instrumentation, selectors and push-buttons are arranged on the board for the maximum ease of operation by the technician. The whole unit comes on a steel frame equipped with three wheels and two fixed feet to give the best versatility and adaptability to Customer's needs.





## TECHNICAL FEATURES

Model	TE RCU RT0010
Compatible refrigerants	CFC, HCFC and HFC, not flammable and with a vapour pressure below 28 bar (@ 50°C) <sup>(1)</sup>
Recovery capacity	50 kg/hour
Removal operation	Removal of Liquid and Gas phases
Typical size	1200 x 900 x 1500 mm (H)
Typical weight	150 kg
Power supply	380 VAC - 50 Hz - 16A
Compressed air supply Equipments <sup>2</sup>	Not required <ul style="list-style-type: none"> <li>▪ 2 high-pressure rubber flexible hoses for connection to the equipment to be evacuated</li> <li>▪ 2 high-pressure rubber flexible hoses for connection to the cylinder</li> <li>▪ Oil-separator with level switch</li> <li>▪ Condensing unit composed of plate heat-exchanger, liquid receiver with safety valve, compressor and two air condensers</li> <li>▪ Valves and instrumentation as required</li> <li>▪ Control panel (electrical board)</li> <li>▪ User's operating manual complete with mechanical catalogue</li> </ul>

<sup>1</sup> High-pressure version available (R-410A)  
Unit should not be employed with ammonia refrigerant.

<sup>2</sup> Supply included only the equipments and services detailed above.