

VTech e-news

New Product Announcement Special Edition!

VTech 200 HC Charger for Hydrocarbon Refrigerants



VTech 200 HC



Safety Control Box

Hydrocarbon refrigerants are slowly finding their way into North America. They are widely used in Europe and Asia where this technology has been around for many years.

The VTech 200 HC Series are specifically designed for R600 and R290, also called “natural refrigerants,” although they can also handle HFC, HCFC and blends.

The potentially explosive nature of the hydrocarbon refrigerants mandates very strict design considerations for the charging equipment and auxiliary devices. The EEC safety regulations are widely accepted, thanks to the many years of experience they have had with this type of equipment in Europe. The machine is composed of two different sections:

- The main unit, located in the potentially hazardous area of the plant where the HC charging takes place;
- The Electrical controls and Safety Cabinet located in a separate area, which monitors the gas concentration in the charging area. If the gas level exceeds the set levels the machine will perform a sequence of safety operations which, in the most extreme case, would lead to a total shut-down of the line.

VTech will also supply and/or provide the design criteria for the construction of the safety enclosure where the main charging unit is located.

Refrigerant is supplied from a transfer pump and accumulator system, which is linear-actuated and eliminates pressure fluctuations.

A special ISODUE Injector can automatically disconnect the filler and check for a previously charged unit in order to avoid double charging.

For more information on the VTech 200 HC, including detailed technical specifications, please visit our website or go to the product page directly by clicking here: [GO](#)

*Not quite ready for production? Ask about our R&D laboratory model **VTech UNO HC**. This lower cost machine is ideal for customers who are still in the early phases of product development for Hydrocarbons refrigerators.*