



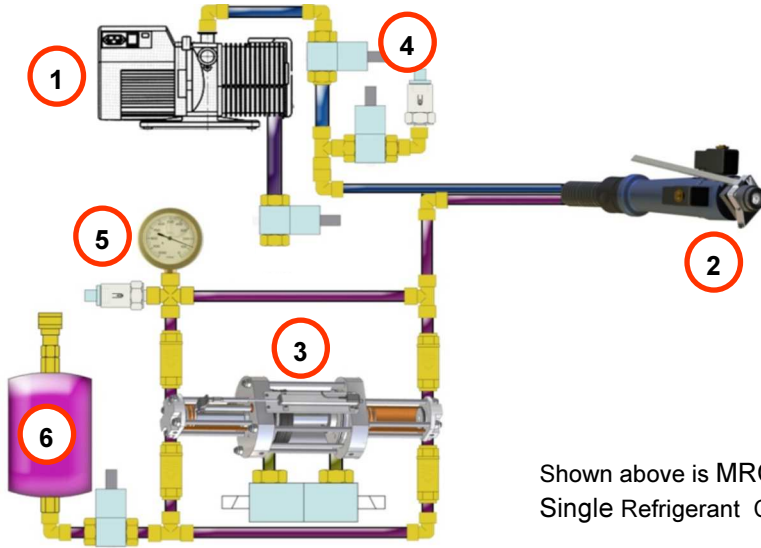
The **VTech MRC-HC Automatic Evacuation and Refrigerant Charging System** is designed for safely and accurately charging HC refrigerants (e.g. R290, R600a, R170 or R32) in a production environment. The system also performs an automatic vacuum cycle and a vacuum decay leak test, prior to refrigerant charging.

The **VTech MRC-HC** can also be configured for mixed productions of HC and HCFC refrigerants on the same production line with bar code selection of the cycle. Regardless of the selected configuration, the VTech equipment will deliver, fast, accurate and trouble-free operation.

MAIN FEATURES:

- **Safe:** designed according to the strictest safety standards (European ATEX— U.S. Class I, Div. II)
- **Zero-Gas-Emission:** the injector's design guarantees that no gas is released in the environment upon disconnection
- **Process Data Traceability:** with virtually unlimited memory and computing power, process data traceability is achieved at multiple levels as a standard feature

Equipment Lay-Out



1. Vacuum Pump
2. Pneumatic Filling Head
3. Metering Device
4. Leak Test Valve
5. Relief Valve
6. Refrigerant Supply

Shown above is MRC-HC-1 Single Vacuum, Single Refrigerant Charging System

Equipment Selection Guide

The VTech MRC-HC is available in multiple configurations to meet virtually any production requirement. Here are the most popular combinations of vacuum pump vs. number of refrigerants (others available on request):

Model	No. Vacuum Pumps	No. Refrigerants
MRC-HC-1	1	1
MRC-HC-2	1	2
MRC-HC-2-2	2	2

Additional available options:

- Safety equipment package (SAFE-HC)
- Double-side evacuation
- Data management and process traceability
- Standard or custom refrigerant supply solutions

Equipment Specifications

Refrigerants	HC (e.g. R32, R170, R290, R600, others including HCFC on request)
Charging Accuracy	±0.017 oz. < 3.5 oz. / ±0.5% > 3.5 oz.
Charging Speed	Up to 5.3 oz./s*
Vacuum Pump Size	Choice of 7, 10, 14 cfm
User Interface	12"LCD TFT (15" or 17" optional)
Control	Industrial PC
Cycle presets (recipes)	Virtually unlimited
Dimensions	63"x 24" x 32"
Weight	400 lbs
Power supply	400V, 50-60Hz, 3ph (others on request)



*Depending on refrigerant type