



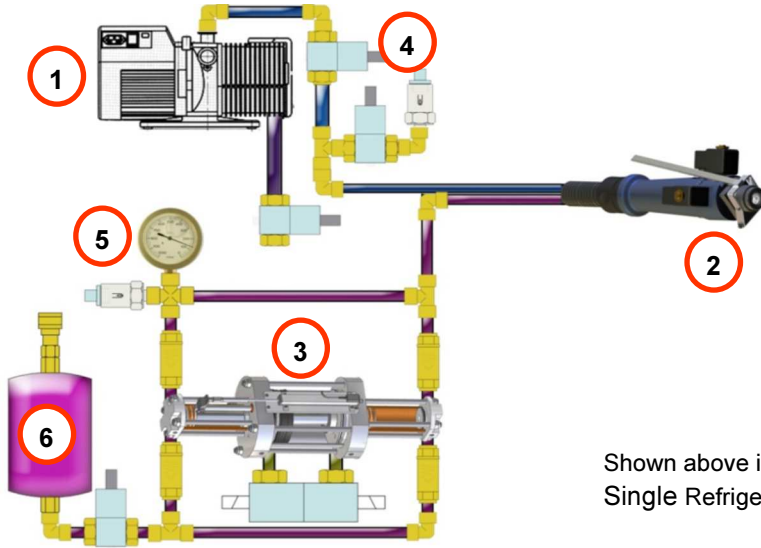
The **VTech MRC-HC Automatic Evacuation and Refrigerant Charging System** is designed for safely and accurately charging HC refrigerants and blends (e.g. R290, R600a, R170, R32) in a production environment. The system also performs an automatic vacuum cycle and a vacuum decay leak test, prior to refrigerant 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 (NFPA 70 and ATEX)
- **High Accuracy:** proprietary metering device ensures unmatched accuracy for low-weight charges typical of HC refrigerants
- **Zero-Gas-Release™ Injector:** prevents gas dispersion in the working area upon disconnection
- **Versatile:** virtually unlimited cycle & data storage

## 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
- Bar code reader and more...

## Equipment Specifications

Refrigerants	HC (e.g. R32, R170, R290, R600, others including HCFC on request)
Charging Accuracy	$\pm 0.5 \text{ g} < 100 \text{ g} / \pm 0.5\% > 100 \text{ g}$
Charging Speed	Up to 150g/s*
Vacuum Pump Size	10, 15, or 21 m <sup>3</sup> /h
User Interface	12"LCD TFT (15" or 17" optional)
Control	Industrial PC
Cycle presets (recipes)	Virtually unlimited
Dimensions	1600mm x 600 mm x 800 mm
Weight	180 kg
Power supply	400V, 50Hz, 3ph (others on request)

\*Depending on refrigerant

