



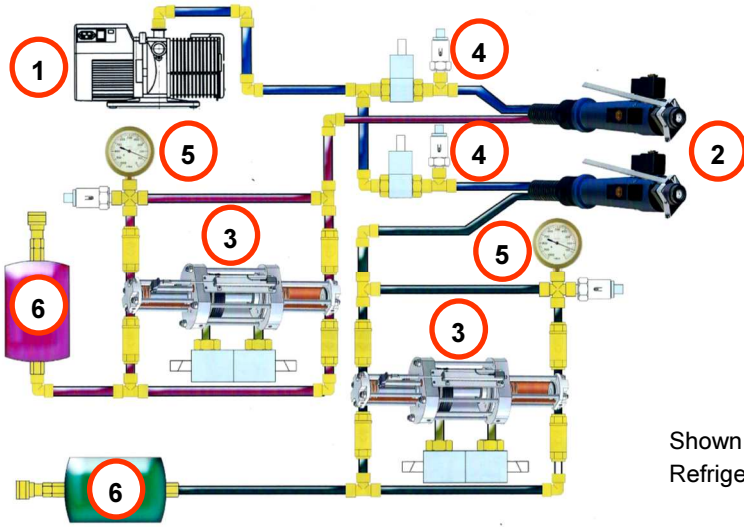
The **VTech MRC Automatic Evacuation and Refrigerant Charging System** is designed for HFC & HCFC refrigerants (e.g. R134a, R404a, R407c or R410a) in a production environment. The system performs an automatic vacuum cycle and a vacuum decay leak test, prior to refrigerant charging.

The **VTech MRC** is ideally suitable for high-productivity environments, such as in domestic refrigeration and air conditioning, where speed, reliability and repeatability are essential to maintaining production line up-time.

### MAIN FEATURES:

- **Friendly:** automatic cycle selection eliminates guesswork and operator error
- **Dependable:** extremely accurate refrigerant metering and consistent results for charging hundreds of units/day
- **Customizable:** wide selection of options to create the right configuration for every process
- **Versatile:** virtually unlimited cycle & data storage

# Equipment Lay-Out



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

Shown above is MRC-2, Single Vacuum, Dual Refrigerant Charging System

# Product Selection Guide

The VTech MRC 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-1	1	1
MRC-2	1	2
MRC-2-2	2	2

### Additional available options:

- Automatic filler disconnect
- Double-side evacuation
- Data management and process traceability
- Bar code reader and more....

# Equipment Specifications

Refrigerants	HFC-HCFC (e.g. R134a, R404a, R407c, R410a, others on request)
Charging Accuracy	$\pm 1 \text{ g} < 100 \text{ g} / \pm 0.5\% > 100 \text{ g}$
Charging Speed	Up to 150 g/s*
Vacuum Pump Size	10, 15, or 21 m <sup>3</sup> /h
User Interface	12" LCD TFT (15" or 17" optional)
Control	Industrial Computer
Cycle presets (recipes)	Virtually unlimited
Dimensions	1600 mm x 600 mm x 800 mm
Weight	180 kg
Power supply	400V, 50Hz, 3ph (others on request)



\*Depending on refrigerant