



The **VTech 100 Automatic Evacuation and Refrigerant Charging System** is designed for charging HFC refrigerants and blends (e.g. R134a, R404a, R410a, R448-449, R513a and others) in a production environment. The system performs an automatic vacuum cycle and a vacuum decay leak test, prior to refrigerant charging. The VTech 100-PD features integrated pressure decay and tracer gas leak testing.

The **VTech 100** is ideally suitable for low to medium-size production lines such as in commercial refrigeration, specialty air conditioning, scientific/medical and many others. A wide selection of optional modules allows customization for each product application. **Our value proposition is very simple: “Build it for what you need it to do”**

MAIN FEATURES:

- **Industrial:** built with primarily commercial components, minimizing spare parts cost and inventory
- **Dependable:** extremely accurate refrigerant metering with automatic temperature compensation
- **Good Value:** top technical features and built-in flexibility at an affordable price

Equipment Features

Build your own **VTech 100** by choosing among the many available options, creating an equipment configuration optimized for your process requirement.



1. Touch Screen User Interface
2. Evacuation/Refrigerant Charge Head
3. Low Side Evacuation Head (optional)
4. Refrigerant Supply (optional)
5. Barcode Scanner (optional)
6. Vacuum Pump
7. Movable Cart (optional)
8. Stack Light (optional)
9. Vapor Detection System (optional)

Product Selection Guide

Here are the most popular **VTech 100** standard configurations, allowing to process one or two units either sequentially or concurrently. Other configurations and sequences are available.

Model	No. Vacuum Pumps	No. Refrigerants
VTech 101	1	1
VTech 102	1	2
VTech 102-2	2	2
VTech 100-PD (All-in-One)	1 or 2	1 or 2

Additional available options:

- Pressure Decay Leak Test
- Data management and process traceability
- Enhanced Flow Evacuation and Filling for large capacity applications

Equipment Specifications

Refrigerants	HFC-HCFC-blends (e.g. R134a, R404a, R407c, R410a, others on request)
Charging Accuracy	± 0.017 oz. < 3.5 oz. / $\pm 0.5\%$ > 3.5 oz.
Charging Speed	Up to 2.0 oz./s*
Vacuum Pump Size	14 cfm**
User Interface	7" Color Touch Screen (8" or 10" optional)
Control	PLC
Cycle presets (recipes)	50 (expandable to 200)
Dimensions	52" x 48" x 24"
Weight	200 lbs.
Power supply	115V 1 phase 60 Hz**

*Depending on refrigerant **Others on request

