



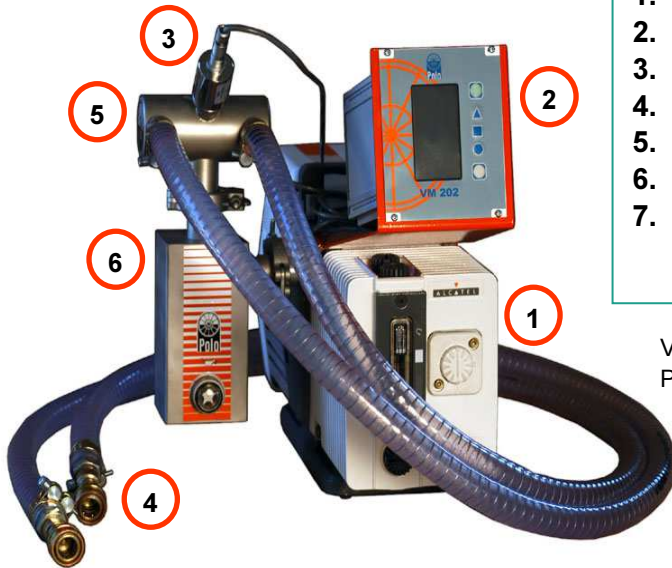
The **VTech Pre-Vac** line of Evacuation Systems comprises various product combinations that are designed to meet different levels of productivity, automation and data traceability.

The picture above shows a custom **VTech Data-Vac** installation at a domestic refrigeration plant where dozens of pumps are mounted on a rotating carousel. Wireless vacuum gauges communicate with a Data-Acquisition terminal integrated in the company LAN for data traceability. In addition, the system can record the vacuum curve of each individual pump/unit, thus providing a meaningful tool to evaluate the residual moisture level in the unit as well as an additional leak test check.

### INNOVATIVE FEATURES:

- **Wireless:** active Pirani gauges communicate via WiFi
- **Scalable:** one data hub can communicate with up to 99 active gauges
- **Data Traceability:** the only system on the market providing full data traceability and management
- **Maintenance-friendly:** designed to minimize time for maintenance and repairs

## Product Composition



1. Vacuum Pump
2. Vacuum Gauge
3. Pirani Sensor
4. Vacuum Hoses
5. Manifold
6. Condensate Separator
7. Multiple Pump Configuration

VTech Pre-Vac 10 (left) and Pre-Vac 40-4 (right)



## Product Selection Guide

At the other end of the automation spectrum, the **Pre-Vac 10** is a cost-effective, compact single pump system, for low-productivity environments. The **Pre-Vac 40 Series** can include one or multiple vacuum pumps assembled on a cart. They feature PLC-control allowing to run independent vacuum cycles simultaneously, as well as a Vacuum Decay Leak Test. **Data-Vac** is custom designed for evacuation pump carousels, with each vacuum pump interfacing with a central control hub for data acquisition.

Model	Type	Vacuum Pumps	Leak Test
Pre-Vac 10	Manual	1	No
Pre-Vac 40-1	Automatic	1	Yes
Pre-Vac 40-2	Automatic	2	Yes
Pre-Vac 40-3	Automatic	3	Yes
Pre-Vac 40-4	Automatic	4	Yes
Data-Vac	Automatic	Any	No

## Product Specifications

Standard Vacuum Pump Size	Dual-stage Rotary Vane pump 18 m <sup>3</sup> /h*
Vacuum Sensor Type	Active Pirani
Vacuum Measurement Units	Pa, mbar
Vacuum Pump Ultimate Vacuum	1 x 10 <sup>-2</sup> Pa (1 x 10 <sup>-4</sup> mbar)
Vacuum Measurement Range	From atmospheric pressure to 1 x 10 <sup>-2</sup> Pa
Standard quick connection	1/4" Female Hansen Quick Coupler*
Standard Vacuum Hose	2.4 m*

\*Others on request



Data-Vac Control Hub