



The **VTech 50 PDLT System** is designed for testing coils and other components, or sealed refrigeration systems, in a production environment. The system performs an automatic pressure decay leak test (Go-No Go) according to a pre-set cycle stored in the PLC memory. An optional capillary flow test can also be included.

The VTech 50 is highly customizable both in its lay-out and operating cycle, allowing each user to adapt the base configuration to their specific needs, including 1 to 4 simultaneous part tests, maximum test pressure, leak back and operator protection devices.

The VTech 50/HP shown above includes an integrated protection enclosure with HMI located on a movable arm. Alternatively, single cabinet configurations are available.

MAIN FEATURES:

- **Industrial:** built from primarily commercial components creates greater reliability and parts availability
- **Accurate** high-resolution pressure transducers vs. gauge and water-bubble techniques
- **Customizable:** wide selection of options to create the right configuration for every process

Equipment Features



1. 6, 8 or 10" Color Touch Screen User Interface
2. Test Gas Filling Hose
3. Heavy Duty Cart (optional)
4. Barcode Scanner (optional)
5. Stack Light (optional)

Additional Options:

- Vacuum Pump
- Nitrogen Purge
- Capillary Flow Test
- Data management and process traceability
- Safety enclosures for operator protection (see front and below)
- N2/Dry Air Pressure Boosting System
- Custom Test jigs

Product Selection Guide

The VTech 50 is available in multiple configurations to meet virtually any production requirement based on test pressure, productivity and equipment layout. It can be configured with integrated or standalone safety hoods or integrated with existing plant equipment.

Model	Pressure Decay	Max. Test Pressure	No. of Parts Tests
VTech 50/LP	Yes	250 psig	1-4
VTech 50/HP	Yes	3,000 psig*	1-2

*With Protective Enclosure

Equipment Specifications

Tracer Gas Type	Nitrogen or Dry Air, non-lubricated
Pressure Decay Test Resolution	± 70 Pa (0.010 psi) @ 3.4 MPa (500 psi)
User Interface	6, 8 or 10" Color Touch Screen
Control	PLC
Cycle presets (recipes)	50 (expandable to 200)
Standard Dimensions	52" x 48" x 24"
Standard Weight	130 lbs. (VTech 50/LP version)
Power supply	115V 1 phase 60 Hz (others on request)

