

Vacuum pump

**testo 565i – smart vacuum pump
for automated evacuations with
integrated decay test,
7 CFM
10 CFM**

Fully automated evacuation and decay test when paired with the testo 552i digital micron gauge*

Safe use with flammable class A2L and A3 refrigerants

One app for everything: Configure measurements, monitor and manage data with the testo Smart App

Easy oil change. Inspection glass for quick assessment of the oil level

Auto Shutoff – Prevents vacuum loss in case of power failure



Bluetooth +
App

testo Smart App
for free download



The future of the smart connected technician is now with the testo 565i Smart Vacuum Pump. With the integration of testo's core platform - the testo Smart App, paired with the testo 552i digital micron gauge via Bluetooth, evacuations on refrigeration systems and heat pumps are now fully automated. When the desired vacuum target is reached, the smart pump is stops automatically and a vacuum decay test begins. This unique feature allows technicians to confidently ensure the refrigeration circuit has no leaks - all shown live via the app. This means that evacuations can now be executed easier than ever!

Thanks to its compatibility with A2L and A3 refrigerants, the testo 565i Smart Vacuum Pump guarantees maximum safety at all times. Oil changes are simple with the clear glass indicator on the front of the pump to ensure oil is full and clean, so vacuums are reached more efficiently. The auto shutoff feature prevents the loss of vacuum in the event of a power failure by closing the valve automatically. Once power is restored, the pump can return to work and start where it left off, still maintaining the vacuum.

*552i Digital Micron gauge is required for automated functionality. Sold separately.

Technical data / order data



Everything under control with the testo Smart App



The testo Smart App guides you quickly and easily through measurements on refrigeration, air conditioning and heating systems.

- Automatic Bluetooth connection with the testo 565i, the manifolds and Smart Probes
- Simple configuration of the evacuation
- Monitoring of all measured values and data storage
- Graphic progression display
- Creation and dispatch of the measurement report

Version	7 CFM	10 CFM
Flow rate	7 CFM / 198 l/min	10 CFM / 283 l/min
Weight	26.5 lbs	28.7 lbs
Ultimate vacuum	15 micrometers	
Refrigerant	A2L / A2 / A3 certified	
Connection sizes	1/4 SAE, 3/8 SAE, 1/2 SAE	
Bluetooth	BLE 5.0: 98 feet distance	
Operating temperature	41 to 104 °F	
Pump type	Rotary vane pump	
Number of stages	Two-stage pump	
Oil compatibility	ISO VG 46	
Order no.	0564 5652 01	0564 5653 01


Suitable Smart Probes and manifolds



testo 552i – App-controlled wireless vacuum probe

- Identify vacuum quickly and easily by means of the graphical display in the App or on the digital manifold screen
- Connects automatically via Bluetooth® to the testo Smart App, the digital manifolds and the testo 565i vacuum pump


Order no. 0564 2552



testo 570s – Digital manifold with 4-way valve block, Bluetooth and intelligent error analysis

- Long-term measurement with intelligent error analysis in the testo Smart App
- World's longest battery life of up to 360 hours with rechargeable battery (USB-C) and batteries
- Suitable for use with A3 and A2L refrigerants


Order no. 0564 5701



testo 557s – Smart digital manifold with Bluetooth and 4-way valve block

- All results at a glance thanks to the large graphic display
- Exceptionally compact and reliable thanks to the easy-to-handle, robust housing with IP 54 protection class

Order no. 0564 5570



testo 550s – Smart digital manifold with Bluetooth and 2-way valve block

- For exceptionally fast measurements on refrigeration and air conditioning systems and heat pumps
- Large graphic display for easy evaluation of measurement results

Order no. 0564 5500

Accessories

Accessories	Order no.
3-hose charging set	0554 2111
Vacuum hose	0554 2112
Vacuum Pump Oil	0554 1002

Control and evaluate evacuation quickly and easily via App

Configuration of Evacuation
 Start: Manual, End: Manual, Measurement cycle: 1 sec, Pressure type: Absolute, Ambient pressure: 0.014 psi, Ambient temperature: 68.0 °F. **Accept configuration**

Evacuation (Live)
 00:05:08, Pressure: 23.64 psi, Hold Time: 00:00, Status: running, Evaporation temp. H₂O: 4.73 °F, Delta Value: 35.15 K. **Start evacuation**

Evacuation (Auto-stop)
 00:07:32, Pressure: 7.10 psi, Hold Time: 00:01, Status: stopped, Evaporation temp. H₂O: 17.57 °F, Delta Value: 47.54 K. **Auto-stop when the target value is reached**

Evacuation (Stopped)
 00:10:18, Pressure: 17.98 psi, Hold Time: 02:47, Status: stopped, Evaporation temp. H₂O: 17.57 °F, Delta Value: 38.08 K. **Automatic initiation of vacuum holding test**

Evacuation (Analysis)
 Summary: 2.52 mbar, 0.8 Minimum mbar, 1.02 Deviation bar, -10.35 Evaporation °F. **Analysis of the data**

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Subject to change, including technical modifications.

