

Vacuum pump

**testo 565i – smart vacuum pump
for automated evacuations with
integrated holding test,
7 CFM / 198 l/min,
10 CFM / 283 l/min**



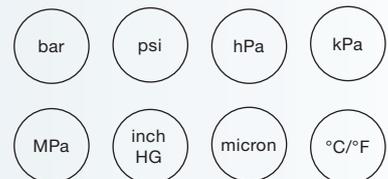
Fully automated evacuation process
with integrated holding test

Safe use even with flammable class A3 and A2L refrigerants

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

Easy oil change and inspection glass for quick assessment
of the oil level

Non-return valve to prevent vacuum loss
in the event of a power interruption



Bluetooth +
App

testo Smart App
for free download



The new testo 565i vacuum pump carries out evacuations on refrigeration systems and heat pumps fully automatically. When the desired vacuum target value is reached, pumping is automatically stopped and a vacuum holding test is started at the same time. Foreign gases and moisture are thus safely removed and data on the tightness of the system is stored. The data logging function ensures complete documentation. This means that evacuations can be carried out completely autonomously.

Configuration, monitoring of live values and sending the measurement report can be easily controlled via the free testo Smart App. This keeps you flexible and saves you valuable time.

For optimal workflows, the testo 565i automatically establishes a Bluetooth connection to the Testo refrigeration measuring instruments and the Smart App when it is switched on. The pump also guarantees maximum safety at all times thanks to its compatibility with A2L and A3 refrigerants.

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	12 kg	13 kg
Ultimate vacuum	15 micrometers	
Refrigerant	A2L / A2 / A3 certified	
Connection sizes	1/4 SAE, 3/8 SAE, 1/2 SAE	
Bluetooth	BLE 5.0: 30 m distance	
Operating temperature	+5 to +40 °C	
Pump type	Rotary vane pump	
Number of stages	Two-stage pump	
Oil compatibility	ISO VG 46	
Order no.	0564 5652	0564 5653

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

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: 1.013 hPa
- Ambient temperature: 20.0 °C

Start evacuation

00:05:08
1,63 mbar
Hold Time: 00:00
Status: running
Evaporation temp. H₂O: -15,15 °C
Air to TH20: 35,15 K

Auto-stop when the target value is reached

00:07:32
0,49 mbar
Hold Time: 00:01
Status: stopped
Evaporation temp. H₂O: -27,54 °C
Air to TH20: 47,54 K

Automatic initiation of vacuum holding test

00:10:18
1,24 mbar
Hold Time: 02:47
Status: stopped
Evaporation temp. H₂O: -18,08 °C
Air to TH20: 38,08 K

Analysis of the data

2,52 mbar, 1,02 bar, 0,8 mbar, -10,35 °C
Graph showing pressure and temperature over time.

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Subject to change, including technical modifications.