

# Vacuum pump

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

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Fully automated evacuation process with integrated holding test when used in combination with the testo 552i vacuum probe

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Safe use even with flammable class A3 and A2L refrigerants

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

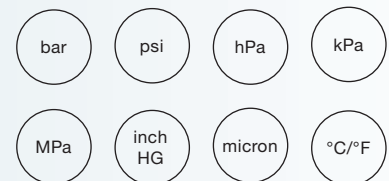
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Easy oil change and inspection glass for quick assessment of the oil level

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

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Bluetooth +  
App

testo Smart App  
for free download



The new testo 565i vacuum pump performs refrigeration system and heat pump evacuations completely automatically thanks to the connection to the testo 552i vacuum probe. 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.

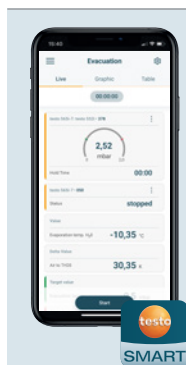
Configuration, monitoring of live values and sending the measurement report can be easily controlled via the free testo Smart App. This keeps you flexible and saves you valuable time.

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 micron                 |                    |
| 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 manifold 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, 330 ml | 0564 1002 |  |

Control and evaluate evacuation quickly and easily via App

12:30

Configuration of Evacuation

Start Manual

End Manual

Measurement cycle 1 sec

Pressure type Absolute

Ambient pressure 1.013 hPa

Ambient temperature Manual input On 20,0 °C

Accept configuration

Enter target values

12:30

Evacuation

Live Graphic Table

00:05:08

testo 565i-7; testo 552i - 378

1,63 mbar

Hold Time 00:00

testo 565i-7 - 050

Status running

Value

Evaporation temp. H<sub>2</sub>O -15,15 °C

Delta Value

Air to TH20 35,15 K

Target value

Evacuation value 5 mbar

Alarm limit

Stop

Start evacuation

12:30

Evacuation

Live Graphic Table

00:07:32

testo 565i-7; testo 552i - 378

0,49 mbar

Hold Time 00:01

testo 565i-7 - 050

Status stopped

Value

Evaporation temp. H<sub>2</sub>O -27,54 °C

Delta Value

Air to TH20 47,54 K

Target value

Evacuation value 5 mbar

Alarm limit

Stop

Auto-stop when the target value is reached

12:30

Evacuation

Live Graphic Table

00:10:18

testo 565i-7; testo 552i - 378

1,24 mbar

Hold Time 02:47

testo 565i-7 - 050

Status stopped

Value

Evaporation temp. H<sub>2</sub>O -18,08 °C

Delta Value

Air to TH20 38,08 K

Target value

Evacuation value 5 mbar

Alarm limit

Stop

Automatic initiation of vacuum holding test

12:30

Evacuation

Live Graphic Table

2,52 378 1,02 Deviation bar

0,8 Minimum mbar -10,35 Evaporation °C

240 400 200 160 120 80 40 0

10:00 10:05 10:10 10:15 10:20

New Save

Analysis of the data

1981 0944/dk/04.2024

Subject to change, including technical modifications.

