

Heat Pump Kit 5/16” 61040 Manual for Operation

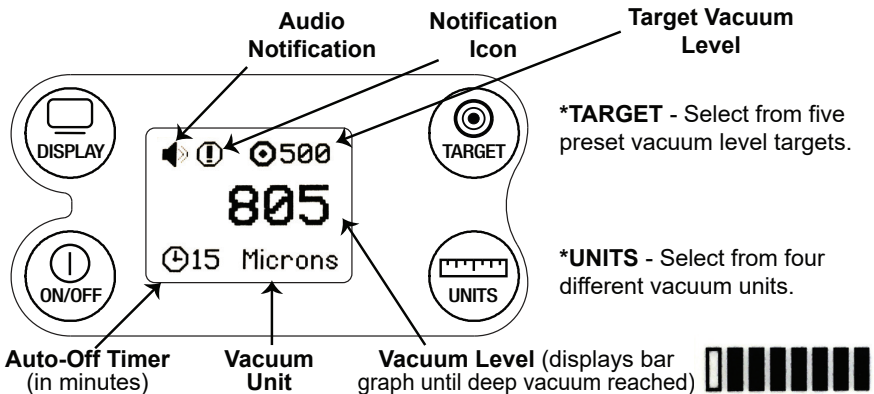


OMNI™ Vacuum Gauge Operating Instructions:

1. Press the ON/OFF button to power on the gauge.
2. To manually power off the gauge, press and hold the ON/OFF button until the screen displays the “YJ” logo.
3. To change a setting:
 - Tap the corresponding button to highlight the current setting
 - Continue to tap this button until the desired value is displayed
 - Press and hold this button to confirm the new setting – the highlighting will disappear when the setting has been confirmed

DISPLAY: Select from several notification options. To change the background, press and hold for three seconds to inverse LCD mode.

ON/OFF: Power on and off, select from four different auto-off settings.



Single Valve Manifold Connection Guide

Reading System Pressure

1. Ensure both the ball valve and manifold valve are in the closed position
2. Connect the 5/16" ball valve to the system
3. Open system valve
4. Open ball valve
5. Purge non-condensable gas from hose fitting at manifold fitting
6. Read system pressure

Adding Refrigerant Charge

1. Open the manifold valve, but leave the ball valve closed
2. Connect the 1/4" flare end of the long hose to the refrigerant cylinder
3. Connect the 5/16" ball valve hose to the system
4. Open the valve on the refrigerant tank
5. Purge non-condensable gas from 5/16" fitting
6. Open system valve
7. Open the ball valve until desired charge is achieved
8. Close tank refrigerant valve
9. Allow system to pull remaining liquid out of hoses
10. Close ball valve and manifold valve, disconnect from system and refrigerant tank



Single Valve Manifold Connection Guide – continued

Drawing Vacuum on the System


1. Connect core removal tool to system.
2. Use built in Schrader valve tool to remove core, set aside for re-use, or replace with fresh core once evacuation is complete.
3. Close 4 in 1 ball valve
4. Connect OMNI™ Digital Vacuum Gauge to side port of core removal tool
5. Connect manifold, hoses, and vacuum pump to end of core removal tool
6. Turn on vacuum pump and allow to run until desired vacuum is reached
7. Close ball valve on core removal tool, disconnect vacuum pump, and shut off
8. Conduct hold test until desired duration is complete
9. Remove OMNI™ Digital Vacuum Gauge from side port
10. Proceed to charge the system as indicated in the “Adding Refrigerant to the System” section, using the side port of the core removal tool to connect the ball valve to the system
11. Insert Schrader core into core tool
12. Connect core tool to ball valve end of core removal tool
13. Open ball valve, insert Schrader core and tighten to between 3-5 in-lbs
14. Remove core removal tool from system



Replacement Parts

UPC #	DESCRIPTION
40346	Heat Pump Manifold R-410A/R32 °F and °C Single Valve
49142	Replacement Heat Pump Gauge R-410A/R32 °F and °C
29491	Heavy Duty 12" Hose with 1/4" x 5/16" Ball Valve
15024	Heavy Duty 24" Hose with 1/4" x 1/4" 45° BLACK
18985	5/16" Core Removal Tool
69239	Digi-Alarm Thermometer
60295	Eccentric Cone Flaring Tool
69021	OMNI™ Digital Vacuum Gauge 5/16" Fitting
61045	Custom Foam Carrying Case

- One-year warranty
- MADE IN USA

 **WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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