

## INSTRUCTIONS

1. **IMPORTANT:** Make sure the ball valve is in the closed position. Connect ball valve to one end of hose assembly. Connect other end to the exit charge port on the side of the scale.
2. Close ball valve on canister adapter and connect to refrigerant canister in the upright position.
3. Invert canister assembly and connect to fitting on top of scale. **DO NOT** overtighten.
4. Open the ball valve on the canister adapter.
5. Purge the hose by briefly cracking the ball valve at the end of the tube. Once the refrigerant starts to flow, immediately close the valve.
6. Press the ON/OFF/TARE key. The display will show “88888” and transition to “0”.
7. Scale is now ready for service.

**⚠ WARNING! WEAR GOGGLES AND GLOVES WHEN HANDLING REFRIGERANTS.**

**CAUTION:** Avoid leaving liquid refrigerant in the tube. Liquid in the tube and increase in temperature could cause the pressure to increase high enough to cause damage to the tube and scale. The check valve in the ¼” flare fitting on the scale platform allows one way flow into system, yet allows canister to be safely decoupled from scale.

## SAFETY INFORMATION

Many state or local governments require HVAC/R technicians to be trained and/or certified in safe practices and proper operation of HVAC/R tools. This system is designed for use with R-290 or R-600a, which are considered A3 refrigerants, meaning they are flammable. Any technician who is working on this equipment should be trained in their operation and safe service procedures. Technicians should verify there are no additional certifications or requirements for these gases from their local governing body. Do not overload the scale.

- Read this instruction bulletin in its entirety
- Use a hydrocarbon gas monitor from the time you start work until you finish
- Ensure proper ventilation in the work area
- Turn off or eliminate all ignition sources
- Placard work area as required

## Refrigerant Products

### EcoPure™ Charging System



NOTE: Refrigerant is sold separately.

## KEY COMPONENTS

- Compact charging system provides one gram resolution for accurate charging
- Canister adapter to isolate cylinder from scale
- Compatible for connecting to any 7/16” threaded bottle
- Ball valve provides necessary isolation and control of refrigerant flow
- Small diameter .08” (2 mm) ID x 36” refrigerant hose
- Durable case
- One year warranty

## OPERATION

### TARE FEATURE:

This scale has a TARE FEATURE function. Press the ON/OFF/TARE key, and the display will transition to “0”. Open the valve to charge. The scale will start displaying the weight of the refrigerant removal from the canister. When a sufficient amount of charge is reached, close the valve and disconnect it from the manifold or system. NOTE: You can leave the canister on the scale if another system needs to be charged onsite – NEVER transport the EcoPure refrigerant canister connected to the weigh scale.

### Before First Use

Open the battery cover and insert three AA batteries according to the polarity indicated in the battery compartment.

### **BATTERY REPLACEMENT:**

If a (“ ”) message appears in the display when attempting to weigh, replace the scale’s three AA batteries according to the polarity indicated in the battery compartment.

### **CANISTER REMOVAL:**

When finished charging, disconnect hose from system or manifold. With ball valve closed on the canister adapter disconnect adapter from scale and turn canister upright. Unthread adapter from refrigerant canister. In a safe area, purge any remaining refrigerant from the canister adapter and hose before storing all component back in carrying case. If there is remaining refrigerant in the EcoPure canister, save for a future hydrocarbon system recharge.

### **UNIT CHANGE:**

The weight unit display can be changed by pressing the UNIT key.

### **POWER OFF:**

When finished with system charging, turn the scale off by pressing and holding the ON/OFF/TARE key. The scale has an auto-off function to save the battery power. The scale automatically turns off if the scale is not used within three hours.

## **MAINTENANCE AND SERVICE**

### **CARE:**

- ✓ The EcoPure scale is manufactured for immediate field use. Do not dismantle the scale or subject it to any strong shock or vibration.
- ✓ Do not use the scale in direct sunlight, and keep it away from hot appliances such as an oven, stove, etc.
- ✓ When the scale is to be used in a new location where the temperature differs from the previous locations by 36°F (2°C) or more, leave the scale in the new location for at least two hours before using it.
- ✓ When the scale is dirty, clean the scale with a damp cloth.
- ✓ When the scale is not planned to be used for a long period of time, remove the batteries from the scale.

### **CALIBRATING THE DEVICE:**

1. In power off mode, press the UNIT and ON/OFF/TARE keys simultaneously to turn the scale on. When a count value is seen, release the two keys.
2. Press the ON/OFF/TARE key, and the LCD will show “ZERO” then calibration weight 5000g.
3. Place a market available 5kg (5000g) certified weight on the platform. Press the ON/OFF/TARE key, and the LCD will show “CAL” then “PASS”. Calibration is completed.
4. After calibration is complete, the scale will go back to weighing mode. The LCD will show the weight that is on the platform.

**⚠ WARNING:** This product can expose you to chemicals including 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](http://www.P65Warnings.ca.gov).

### **REPLACEMENT PARTS**

Brass Ball Valve: p/n: 911063



Refrigerant Hose: p/n: 211029



Canister Adapter: p/n: 911065

