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› [Robinair 65060 Enviro-Guard Hoses with Ball Valves - 60 inch Instruction Manual](#)

## Robinair 65060

# Robinair 65060 Enviro-Guard Hoses with Ball Valves - 60 inch Instruction Manual

Model: 65060

## 1. PRODUCT OVERVIEW

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The Robinair 65060 Enviro-Guard A/C service hose set with ball valves is designed for efficient and reliable refrigerant handling in HVAC-R systems. This set includes three 60-inch hoses (yellow, blue, and red) featuring a special barrier material to prevent refrigerant permeation while maintaining flexibility. Each hose is rated for 740 PSI working pressure and 3700 PSI burst pressure, and includes an in-line quarter-turn ball valve for precise refrigerant flow control. The hoses are equipped with brass 'Quick Seal' fittings, with 45-degree fittings on one end and standard 1/4 inch female flare straight fittings on the other, ensuring a leak-free seal. Coupler nuts feature deep knurling for positive grip and quick finger-tightening. The strong six-sided crimp at the hose ends provides a secure connection even under maximum pressure.



Figure 1: Robinair 65060 Enviro-Guard Hoses with Ball Valves.

## 2. SAFETY INFORMATION

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Always prioritize safety when working with refrigerants and HVAC equipment. Failure to follow safety precautions can result in serious injury or equipment damage.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves, to protect against refrigerant exposure.
- Ensure proper ventilation in the work area to prevent accumulation of refrigerant vapors.
- Never over-pressurize the system beyond its rated limits.
- Handle refrigerant cylinders with care and store them in a cool, dry, and well-ventilated area.
- Always follow local regulations and guidelines for refrigerant handling and disposal.
- Verify all connections are tight and leak-free before operating the system.

## 3. PACKAGE CONTENTS

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The Robinair 65060 Enviro-Guard Hoses with Ball Valves set includes the following items:

- 3 x 60-inch Enviro-Guard A/C Service Hoses (Yellow, Blue, Red)
- Integrated in-line 1/4 turn ball valves on each hose
- Brass 'Quick Seal' fittings (45-degree on one end, straight 1/4 inch female flare on the other)

Additional accessories for related products may include:

- Manifold gauge
- Vacuum gauge
- Gaskets and adapters
- USB data cable



### Protecting Your Investment

Robinair technical support and local service centers – support you can count on.

At Bosch Automotive Service Solutions Inc., we recognize that your purchase of Robinair tools and equipment is an important investment in your business.

Since 1956, Robinair has been and continues to be a trusted name in automotive A/C service equipment. We know you rely on the dependability of our products and the way we take care of you and your equipment after the sale. With a technical support team that is eager to help and hundreds of service centers throughout North America, we are able to quickly respond to your service needs.

Figure 2: Example of Robinair HVAC tools and equipment, including hoses.

## 4. SETUP AND CONNECTION

Proper connection of the hoses is crucial for accurate and safe operation. The hoses are color-coded for easy identification: blue for low-pressure, red for high-pressure, and yellow for service/refrigerant.

### 4.1 Connecting to a Manifold Gauge and Scale

To connect the hoses for refrigerant charging using a digital manifold gauge and scale:

1. Ensure the manifold gauge is powered on.
2. On the manifold gauge touchscreen, tap 'SMART SCALE' to automatically connect to the scale.
3. If necessary, change weight units by navigating to Home > Settings > Units and selecting your preferred unit (e.g., lb, oz).
4. Set your desired refrigerant charge weight on the manifold gauge.
5. Connect the yellow hose to the refrigerant cylinder.
6. Connect the blue hose to the low-pressure side of the A/C unit.
7. Connect the red hose to the high-pressure side of the A/C unit (if applicable for your procedure).

*Video 1: Demonstrates how to connect a manifold gauge with a wireless scale for use, including setting charge weight and connecting hoses to the refrigerant cylinder and A/C unit.*

### 4.2 Connecting to a Vacuum Pump

To connect the hoses for evacuation using a vacuum pump and digital vacuum gauge:

1. Ensure the manifold gauge is powered on.
2. Tap the menu bar on the touchscreen to access the Bluetooth switch.
3. Tap the "EVACUATION" function button on the screen.
4. Turn on the vacuum gauge.
5. Wait for the manifold gauge and vacuum gauge to connect successfully. A vacuum gauge icon will appear in the top-right corner of the manifold gauge's display.
6. Connect the vacuum gauge to the vacuum pump.
7. Start extracting vacuum using the vacuum pump. The data measured by the vacuum gauge will be

synchronized and displayed on the manifold gauge.

*Video 2: Illustrates the connection of a digital manifold gauge with a vacuum gauge for measuring during system evacuation.*

## 5. OPERATING INSTRUCTIONS

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The integrated ball valves on these hoses allow for precise control of refrigerant flow, minimizing loss and ensuring accurate charging or recovery.

### 5.1 Using the Ball Valves

Each hose features a quarter-turn ball valve. To open the valve, turn the handle 90 degrees. To close the valve, turn it back 90 degrees. This allows for quick and efficient isolation of sections of the system or hoses, reducing refrigerant release.

*Video 3: Shows the features of R134A R410A R22 R12 A/C Charging Hoses and Ball Valve Set, highlighting the 90-degree rotation for shut-off valves and knurled coupler nuts.*

### 5.2 Refrigerant Charging

Once the hoses are connected as described in Section 4.1 and the desired charge weight is set on the manifold gauge:

1. Open the ball valve on the yellow hose connected to the refrigerant cylinder.
2. Open the ball valve on the blue hose connected to the low-pressure side of the A/C unit.
3. The refrigerant will flow from the cylinder to the A/C unit.
4. The manifold gauge will monitor the charging process. When the set charge weight is reached, the solenoid valve (if part of your manifold system) will automatically stop the flow.
5. Close the ball valves on the hoses and disconnect them from the system.

## 6. MAINTENANCE

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To ensure the longevity and performance of your Robinair Enviro-Guard Hoses, follow these maintenance guidelines:

- **Cleaning:** After each use, wipe down the hoses and fittings to remove any dirt, oil, or refrigerant residue.
- **Inspection:** Regularly inspect hoses for cuts, abrasions, kinks, or any signs of wear. Check fittings for damage or corrosion. Replace any damaged components immediately.
- **O-Rings/Gaskets:** Periodically inspect and replace the internal O-rings or gaskets in the fittings to maintain a leak-free seal. The green rubber gasket design helps prevent leakage.
- **Storage:** Store hoses coiled neatly in a clean, dry place, away from direct sunlight and extreme temperatures. Avoid kinking the hoses during storage.
- **Tightening:** When connecting, use finger-tightening for coupler nuts, then a slight turn with a wrench if necessary. Avoid overtightening to prevent damage to the gaskets and fittings.

## 7. TROUBLESHOOTING

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If you encounter issues during operation, consider the following common troubleshooting steps:

- **Refrigerant Leakage:**
  - Check all connections for tightness. Ensure coupler nuts are finger-tightened and then slightly snugged

with a wrench.

- Inspect O-rings and gaskets within the fittings for wear or damage. Replace if necessary.
- Examine the hoses for any visible damage or punctures.

- **Difficulty Connecting/Disconnecting:**

- Ensure fittings are clean and free of debris.
- Lubricate O-rings with a small amount of appropriate refrigerant oil if they are dry or stiff.

- **Inaccurate Readings (if using with gauges):**

- Verify that the gauges are properly calibrated.
- Ensure all connections are secure to prevent pressure loss through the hoses.

## 8. SPECIFICATIONS

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Feature	Specification
Brand	Robinair
Model Number	65060
Material	Brass
Color	Yellow, Blue, Red
Product Dimensions	60"L x 0.25"W
Item Weight	2.5 Pounds
Working Pressure	740 PSI
Burst Pressure	3700 PSI
Outside Diameter	0.25 Inches
UPC	637335007338

## 9. WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the official Robinair website or contact their customer service directly. Robinair, a Bosch Automotive Service Solutions brand, is committed to quality and performance.

Protection plans are available for purchase separately to extend coverage beyond the standard warranty:

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect (monthly billing option)

For technical assistance or inquiries, please visit the Robinair Store on Amazon or their official support channels.

