

Bradford White 415-52915-01

Bradford White 415-52915-01 ICON 2.0 Service Valve KIT User Manual

For URG12 Natural Gas Heaters

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1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of the Bradford White 415-52915-01 ICON 2.0 Service Valve KIT. This kit is specifically designed for use with URG12 Natural Gas Heaters. Please read this manual thoroughly before attempting any installation or operation to ensure safe and efficient use of the product.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- Always shut off the gas supply to the heater before performing any service or maintenance.
- Installation and service must be performed by a qualified installer, service agency, or gas supplier.
- Ensure all connections are tight and leak-free. Use appropriate leak detection methods.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Keep the area around the water heater clear and free from combustible materials.

3. PACKAGE CONTENTS

The Bradford White 415-52915-01 ICON 2.0 Service Valve KIT typically includes the following components. Please verify all parts are present and undamaged upon opening the package.

- ICON 2.0 Service Valve Assembly
- Mounting Hardware (if applicable)
- Instruction Sheet (this document)

Note: Specific contents may vary. Refer to your product packaging for a complete and accurate list of included items.

4. SETUP AND INSTALLATION

IMPORTANT: Installation of this service valve kit must be performed by a qualified and licensed professional in accordance with all local codes and regulations, as well as the manufacturer's instructions for the URG12 Natural Gas Heater.

1. **Preparation:** Ensure the gas supply to the water heater is completely shut off and verified. Allow the water heater to cool if it has been in operation.
2. **Access:** Gain access to the existing service valve or the location where the new valve will be installed on the URG12 Natural Gas Heater.
3. **Removal (if replacing):** Carefully disconnect and remove the old service valve, if applicable. Be prepared for residual gas in the line.
4. **Installation:** Connect the new Bradford White 415-52915-01 ICON 2.0 Service Valve KIT to the gas supply line and the water heater's gas inlet. Use appropriate pipe sealant (e.g., Teflon tape or pipe dope suitable for natural gas) on all threaded connections.
5. **Tighten Connections:** Securely tighten all connections to prevent gas leaks. Do not overtighten.
6. **Leak Test:** Slowly turn on the main gas supply. Apply a non-corrosive leak detection solution (e.g., soapy water) to all new connections. Bubbles indicate a leak. If a leak is detected, immediately shut off the gas supply, tighten the connection, and re-test. Repeat until no leaks are present.
7. **Functionality Check:** Once leak-free, verify the valve operates smoothly (open and close positions).

Consult the URG12 Natural Gas Heater's specific installation manual for detailed instructions regarding gas line connections and heater startup procedures.

5. OPERATION

The ICON 2.0 Service Valve is designed for simple on/off control of the gas supply to your URG12 Natural Gas Heater.

- **To Open the Valve (Gas ON):** Turn the valve handle or lever to the "ON" or "OPEN" position. This typically aligns the handle with the gas flow direction.
- **To Close the Valve (Gas OFF):** Turn the valve handle or lever to the "OFF" or "CLOSED" position. This typically positions the handle perpendicular to the gas flow direction.

Always ensure the valve is fully open or fully closed. Do not leave the valve in a partially open or closed position.

6. MAINTENANCE

The Bradford White ICON 2.0 Service Valve is generally maintenance-free. However, periodic inspection is recommended to ensure continued safe operation.

- **Annual Inspection:** Annually, visually inspect the valve and all gas connections for any signs of corrosion, damage, or leaks.
- **Leak Check:** Periodically perform a leak check using a non-corrosive leak detection solution on all gas connections, especially after any service to the water heater.

- **Operation Check:** Briefly cycle the valve (open and close) once a year to ensure it operates smoothly. If the valve is stiff or difficult to turn, do not force it. Contact a qualified service technician.

Do not attempt to repair a damaged or leaking valve. Replace it with an approved Bradford White replacement part.

7. TROUBLESHOOTING

This section addresses common issues related to the service valve. For issues related to the URG12 Natural Gas Heater itself, refer to the heater's specific manual.

Problem	Possible Cause	Solution
Gas Leak at Valve Connections	Loose connection, insufficient pipe sealant, damaged threads.	Immediately shut off gas supply. Tighten connections. If leak persists, disassemble, reapply pipe sealant, and reassemble. If threads are damaged, replace the valve or fitting. Contact a qualified professional.
Valve is Stiff or Hard to Turn	Internal corrosion, debris, or worn components.	Do not force the valve. Forcing can cause damage or a gas leak. The valve is not designed for field repair. Replace the valve with a new Bradford White 415-52915-01 kit. Contact a qualified professional.
No Gas Flow to Heater (Valve Open)	Main gas supply off, valve not fully open, obstruction in line, or issue with the heater's gas control.	Verify main gas supply is on. Ensure service valve is fully open. Check for other gas shut-off valves in the line. If the problem persists, consult the URG12 heater manual or contact a qualified service technician.

Always prioritize safety. If you suspect a gas leak or are unsure about any troubleshooting step, immediately shut off the gas supply and contact a qualified professional.

8. SPECIFICATIONS

Feature	Detail
Model Number	415-52915-01
Product Type	ICON 2.0 Service Valve KIT
Compatibility	URG12 Natural Gas Heaters
Manufacturer	Bradford White
Item Weight	3 pounds
Product Dimensions	132 x 7 x 7 inches (Note: This dimension seems unusually large for a valve kit and may refer to shipping dimensions or an error in source data. Refer to actual product for precise dimensions.)

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation included with your purchase or visit the official Bradford White website. Warranty terms and conditions may vary.

For technical support, replacement parts, or service inquiries, please contact Bradford White customer service or a qualified service professional in your area. Contact information can typically be found on the manufacturer's website or on

the product packaging.

Bradford White Official Website: www.bradfordwhite.com

