

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

Manuals.plus /

› [ClimaTek](#) /

› ClimaTek Upgraded Gas Valve 7200ERCS-1 Instruction Manual

ClimaTek 7200ERCS-1

ClimaTek Upgraded Gas Valve Model 7200ERCS-1 Instruction Manual

Replacement for Robertshaw Gas Valves

1. INTRODUCTION

This manual provides essential information for the safe and proper installation, operation, and maintenance of the ClimaTek Upgraded Gas Valve, model 7200ERCS-1. This component is designed as a direct replacement for specific Robertshaw gas valve models. Please read this manual thoroughly before attempting any installation or service.

2. SAFETY INFORMATION

WARNING: DO NOT CONNECT APPLIANCE BEFORE PRESSURE TESTING GAS PIPING. DAMAGE TO GAS VALVE MAY RESULT AND AN UNSAFE CONDITION MAY BE CAUSED. DO NOT SHORT GAS VALVE WHEN TESTING WIRING. ROOM THERMOSTAT WILL BE DAMAGED.

Installation and servicing of this gas valve must be performed by a qualified service technician. Failure to follow these instructions could result in property damage, personal injury, or death. Always disconnect power to the appliance before servicing. Ensure all gas connections are properly sealed and leak-tested after installation.

3. PRODUCT DESCRIPTION AND FEATURES

The ClimaTek 7200ERCS-1 is an upgraded gas valve designed for reliable performance in HVAC systems. It serves as a direct replacement for Robertshaw Part # 7200ERCS-1. Key features include:

- Brand new upgraded gas valve for enhanced durability and performance.
- Direct replacement for specific Robertshaw models, ensuring compatibility.
- Constructed with high-quality materials, including brass, for long-lasting operation.



Figure 1: ClimaTek Upgraded Gas Valve (similar to Robertshaw 7200ERCS-2 shown). This image displays the main body of the gas valve, highlighting its inlet and outlet connections, electrical terminals, and the warning label.

4. SPECIFICATIONS

Attribute	Detail
Model Number	7200ERCS-1
Brand	ClimaTek
Material	Brass
Product Dimensions (L x W x H)	4 x 6 x 5 inches
Item Weight	2.44 Pounds
Inlet Connection Type	NPT
Outlet Connection Type	NPT
Number of Ports	2

5. INSTALLATION AND SETUP

1. **Professional Installation Required:** Due to the nature of gas appliances, installation must be performed by a certified and qualified HVAC technician.
2. **Power Disconnection:** Ensure all electrical power and gas supply to the appliance are completely shut off before beginning installation.
3. **Ventilation:** Work in a well-ventilated area.
4. **Remove Old Valve:** Carefully disconnect and remove the existing gas valve, noting all connections (gas lines, electrical wiring).
5. **Install New Valve:** Mount the ClimaTek 7200ERCS-1 in the same position as the old valve. Ensure proper alignment of gas lines.
6. **Connect Gas Lines:** Apply appropriate pipe sealant to threaded connections and securely attach gas lines to the inlet and outlet ports.
7. **Connect Wiring:** Reconnect electrical wiring according to the appliance's wiring diagram. Do not short the gas valve when testing wiring.
8. **Leak Test:** After all connections are made, slowly restore gas supply and perform a thorough leak test on all gas connections using a suitable leak detection solution.
9. **Restore Power:** Once leak testing is complete and no leaks are detected, restore electrical power to the appliance.
10. **Test Operation:** Follow the appliance manufacturer's instructions to test the operation of the gas valve and the appliance.

6. OPERATION

The ClimaTek 7200ERCS-1 gas valve operates as a critical component in controlling the flow of gas to the burner of an HVAC appliance. When the thermostat calls for heat, the control board sends a signal to the gas valve, which then opens to allow gas to flow. The igniter then lights the gas, producing heat. Once the desired temperature is reached, the thermostat signals the control board to close the gas valve, shutting off the gas supply.

This valve is designed for automatic operation within the appliance's control system. No manual adjustments are typically required by the end-user for its basic operation.

7. MAINTENANCE

The ClimaTek 7200ERCS-1 gas valve is designed for minimal maintenance. Regular maintenance should focus on the overall HVAC system as recommended by the appliance manufacturer. A qualified technician should inspect the gas valve during routine system checks for any signs of wear, damage, or gas leaks.

- **Annual Inspection:** Have a qualified technician inspect the gas valve and all gas connections annually for proper operation and integrity.
- **Cleanliness:** Ensure the area around the gas valve is kept clean and free from dust, debris, or obstructions.
- **Leak Checks:** Periodically check for gas leaks around the valve and connections using a non-corrosive leak detection solution.

8. TROUBLESHOOTING

Troubleshooting gas valve issues should only be performed by a qualified service technician. Common symptoms that may indicate a gas valve issue include:

- Appliance not igniting.
- Pilot light not staying lit (if applicable).
- Gas odor near the appliance.
- Burners not receiving gas.

If you suspect a problem with your gas valve or appliance, immediately shut off the gas supply and electrical power to the unit and contact a qualified HVAC professional for diagnosis and repair.

9. WARRANTY AND SUPPORT

As an upgraded replacement part, the ClimaTek 7200ERCS-1 gas valve is covered by the manufacturer's warranty. Please refer to the warranty documentation provided with your purchase or contact ClimaTek customer support for specific warranty terms and conditions.

For technical support or assistance, please contact your authorized ClimaTek dealer or visit the official ClimaTek website for contact information.