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## Williams P295200A

# Williams P295200A Gas Valve Instruction Manual

Model: P295200A

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Williams P295200A Gas Valve. Please read these instructions thoroughly before attempting any installation or operation. Retain this manual for future reference.

The Williams P295200A is a gas valve designed for use in wall thermostat direct-vent natural gas heating systems. It ensures reliable gas flow regulation and contributes to the safe operation of your heating unit.

## 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.

- Installation and service must be performed by a qualified installer, service agency, or gas supplier.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- If you smell gas:
  - a. Do not try to light any appliance.
  - b. Do not touch any electrical switch; do not use any phone in your building.
  - c. Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - d. If you cannot reach your gas supplier, call the fire department.
- Ensure all local codes and ordinances are followed during installation.
- Always turn off the gas supply to the appliance before performing any service or maintenance.

## 3. PRODUCT DESCRIPTION AND FEATURES



*Image: Williams P295200A Gas Valve. This image displays the main unit of the gas valve, showing its compact design and connection points. The valve is typically made of durable metal, designed for integration into heating systems.*

The Williams P295200A Gas Valve is engineered for reliability and compatibility with specific heating systems. Key features include:

- **Durable Construction:** Crafted from robust Stainless Steel, ensuring longevity and resistance to corrosion.
- **Versatile Connection:** Features NPT and threaded inlet/outlet connections, compatible with various systems.
- **Efficient Operation:** Globe valve design provides smooth flow regulation and reliable performance.
- **Direct-Vent Compatibility:** Suitable for wall thermostat direct-vent systems, ensuring safe and efficient operation.
- **Compliance & Safety:** Meets ASME and UL specifications, prioritizing safety and quality.

## 4. SETUP AND INSTALLATION

**IMPORTANT:** Installation of this gas valve must be performed by a qualified and licensed professional in accordance with all local and national codes and regulations.

1. **Preparation:** Ensure the main gas supply to the appliance is turned off. Verify that the new valve matches the specifications of the original valve being replaced.
2. **Disconnection:** Carefully disconnect the existing gas valve from the gas lines and electrical connections (if applicable).
3. **Mounting:** Mount the new Williams P295200A Gas Valve securely in the designated position.
4. **Gas Connections:** Connect the gas inlet and outlet lines to the valve using appropriate NPT and threaded fittings. Apply approved pipe sealant to all threaded connections. Ensure all connections are tight and leak-free.
5. **Electrical Connections (if applicable):** Connect any necessary electrical wiring according to the appliance's wiring diagram. Ensure proper polarity.
6. **Leak Test:** After installation, slowly turn on the main gas supply. Perform a leak test on all gas connections using a non-corrosive leak detection solution. Bubbles indicate a leak. If a leak is detected, turn off the gas supply immediately and tighten connections until no leaks are present.

7. **Functionality Test:** Follow the appliance manufacturer's instructions to test the operation of the gas valve and the heating system.

## 5. OPERATING INSTRUCTIONS

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The Williams P295200A Gas Valve operates in conjunction with your heating appliance and its wall thermostat. It does not have user-adjustable controls directly on the valve itself.

- **Normal Operation:** When the wall thermostat calls for heat, the gas valve will open, allowing natural gas to flow to the burner. When the thermostat is satisfied, the valve will close, shutting off the gas supply.
- **Pilot Light (if applicable):** If your system uses a standing pilot light, ensure it is lit according to your appliance's instructions. The gas valve will only operate if the pilot is sensing flame.
- **Troubleshooting:** If the appliance fails to ignite or operate correctly, refer to the troubleshooting section of this manual or the appliance's primary instruction manual.

## 6. MAINTENANCE

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The Williams P295200A Gas Valve is designed for reliable, long-term operation with minimal maintenance. However, periodic inspection by a qualified technician is recommended.

- **Annual Inspection:** Have a qualified HVAC technician inspect the gas valve and the entire heating system annually. This inspection should include checking for gas leaks, proper operation, and wear or damage to components.
- **Cleaning:** Do not attempt to clean the internal components of the gas valve. External cleaning should be limited to wiping with a dry cloth.
- **Component Replacement:** If the gas valve is found to be faulty or damaged, it must be replaced by a qualified professional with an identical or approved equivalent part. Do not attempt to repair the valve yourself.

## 7. TROUBLESHOOTING

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This section provides basic troubleshooting steps. For complex issues, always contact a qualified service technician.

Problem	Possible Cause	Solution
No heat from appliance.	<ul style="list-style-type: none"><li>◦ Gas supply off.</li><li>◦ Thermostat not calling for heat.</li><li>◦ Pilot light out (if applicable).</li><li>◦ Faulty gas valve.</li></ul>	<ul style="list-style-type: none"><li>◦ Check main gas valve.</li><li>◦ Adjust thermostat setting.</li><li>◦ Relight pilot according to appliance manual.</li><li>◦ Contact a qualified technician.</li></ul>
Smell of gas.	<ul style="list-style-type: none"><li>◦ Gas leak.</li></ul>	<ul style="list-style-type: none"><li>◦ <b>Immediately turn off gas supply. Do not operate electrical switches. Evacuate and call gas company/fire department.</b></li></ul>

Problem	Possible Cause	Solution
Appliance cycles on/off rapidly.	<ul style="list-style-type: none"> <li>◦ Thermostat issue.</li> <li>◦ Ventilation problem.</li> <li>◦ Gas valve malfunction.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Consult appliance manual or contact technician.</li> </ul>

## 8. SPECIFICATIONS

Specification	Detail
Model Number	P295200A
ASIN	B009AXH6FU
Manufacturer	VIRS (for Williams)
Date First Available	September 14, 2012
Construction Material	Stainless Steel
Connection Type	NPT and threaded inlet/outlet
Valve Design	Globe valve
Compatibility	Wall thermostat direct-vent natural gas systems
Certifications	Meets ASME and UL specifications

## 9. WARRANTY INFORMATION

Williams products are manufactured to high-quality standards. This gas valve is covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary. Please refer to the warranty card included with your product packaging or contact Williams customer support for detailed information.

Keep your proof of purchase for warranty claims.

## 10. SUPPORT AND CONTACT

If you require technical assistance, have questions regarding the installation or operation of your Williams P295200A Gas Valve, or need to report a problem, please contact a qualified HVAC professional or Williams customer support.

For the most current contact information, please visit the official Williams website or refer to your product packaging.

