gas ball valve
installation instructions

caution: read before installation

Do not install this product until you have carefully read all safety warnings and installation instructions both here and on the product tag. Improper installation or failure to follow safety guidelines can lead to injury, property damage, or product malfunction.

Cambridge gas ball valves are precision-engineered in Italy to meet high performance and quality standards. Each valve is crafted for smooth operation, reliable shutoff, and easy installation. Designed for use with natural gas, manufactured gas, mixed gas systems, LP (liquefied petroleum) gases, and LP gas–air mixtures, Cambridge valves come in a variety of configurations to suit both residential and commercial applications.

installation guidelines

IMPORTANT: Cambridge is not responsible for damage or failure caused by incorrect installation. Always follow local codes and best practices.

BEFORE YOU BEGIN

- Always shut off the gas supply at the main shut-off valve (typically located near the meter) before removing or replacing a gas valve.
- Use only new fittings and gas connectors when installing a new gas ball valve or repairing any part of the gas connection system.

STEP-BY-STEP INSTALLATION

1. Shut Off Gas Supply
   - Ensure the gas is turned off at the main shut-off valve before proceeding.
2. Prepare Pipe Threads
   - Clean all male pipe threads on the gas supply line using a wire brush and clean rag.
   - Make sure all debris—such as old sealant, rust, oil, moisture, or dirt—is completely removed.
3. Apply Thread Sealant
   - Apply gas-approved thread sealant or PTFE tape only to the male threaded pipe ends.
   - Do not apply sealant to flare connections—this can interfere with proper sealing.
4. Install the Valve
   - Thread the Cambridge gas ball valve onto the prepared gas pipe.
   - Wrench tighten to secure.
   - Make sure the valve is in the OFF position.
5. Restore Gas Supply
   - Slowly turn on the main gas supply valve.
6. Check for Leaks
   - Apply a non-corrosive gas leak detection solution to all connections.
   - Look for bubbles, which indicate a gas leak. If bubbles appear, immediately turn off the gas and retighten connections.

   WARNING: : Never use an open flame (e.g., matches or lighters) to test for gas leaks.
7. Final Safety Steps
   - Once connections are secure and leak-free, rinse thoroughly with clean water to remove any test solution, which could cause corrosion.
   - **Wait at least 10 minutes** to ensure that any gas vapors have cleared before attempting to light any pilots or power on appliances.

TOOLS YOU'LL NEED

- A pipe- or adjustable-wrench
- Gas-rated thread sealant or PTFE tape
- Non-corrosive gas leak detection solution

additional safety reminders

- Do not use a gas ball valve as a substitute for a pipe cap or to seal off a gas line. The valve handle can be unintentionally turned on, which may result in a hazardous gas release.
- Any disconnected or unused gas supply lines must be sealed gas-tight using approved end caps.
- Follow all local building and fuel gas codes for installation and inspection.
- This valve is intended for indoor, above-ground use only.

need help?

Contact a licensed plumber or your local gas utility for assistance with installation or troubleshooting.

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