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› Propane Tankless Water Heater Instruction Manual

VELPAX HWRSQ-001

VELPAX 16L Indoor Propane Tankless Water Heater Instruction Manual

Model: HWRSQ-001

1. IMPORTANT SAFETY INFORMATION

Please read and understand all instructions before installing, operating, or servicing this appliance. Failure to follow these instructions could result in property damage, personal injury, or death.

- **Professional Installation Recommended:** Installation should be performed by a qualified and licensed professional in accordance with all local codes and regulations.
- **Ventilation:** Ensure proper ventilation and install a smoke exhaust pipe as required. Carbon monoxide is odorless and deadly.
- **Propane Use Only:** This unit is designed exclusively for use with propane (LPG). Do not use with natural gas or any other fuel.
- **Water Pressure:** The unit operates with a minimum of 3.6 PSI water pressure.
- **Freezing Conditions:** In cold weather, drain residual water by opening the pressure relief valve if the unit will not be used for an extended period to prevent freezing damage.
- **Overheating Protection:** The unit includes multiple safety protections, including flame failure device, anti-freeze protection, and overheating protection.

2. PRODUCT OVERVIEW

The VELPAX 16L Indoor Propane Tankless Water Heater provides on-demand hot water with high efficiency and multiple safety features. Its compact design saves space and is suitable for various applications in homes, cabins, and apartments.



Image: The VELPAX 16L Indoor Propane Tankless Water Heater, showcasing its sleek white design and the various components included for installation, such as the exhaust pipe, gas hose, and water hoses.

Key Features:

- **Constant Temperature Control:** Ensures a steady supply of hot water.
- **High Efficiency:** 68,000 BTU per hour output, 4.21 GPM flow rate.
- **Energy Saving:** Advanced combustion technology minimizes gas consumption.
- **Durable Construction:** Stainless steel body and oxygen-free copper water tank for longevity.
- **Digital Display:** LED smart digital display for easy temperature adjustments (95°F to 149°F).
- **Multi-Protection:** Flame failure, anti-freeze, and overheating protection.
- **Space-Saving:** Compact design, saving over 50% space compared to traditional tank models.

3. COMPONENTS AND ACCESSORIES

Verify that all components are present and undamaged before proceeding with installation.



Image: Detailed view of the water heater's dimensions (13.8 inches width, 21.7 inches height, 6.3 inches depth) and a comprehensive list of included accessories, such as the air inlet pipe, expansion screws, water inlet/outlet pipes, and ducting.

Included in the Box:

- VELPAX 16L Propane Tankless Water Heater Unit
- Gas Pipe (Yellow, 1/2" NPT)
- Water Inlet Pipe (1/2" NPT)
- Water Outlet Pipe (1/2" NPT)
- Horizontal Vent Pipe (2.5" diameter)
- Expansion Screws (for mounting)
- Instruction Manual

4. INSTALLATION GUIDE

This section provides general installation steps. Always refer to local building codes and consult a professional for installation.

4.1 Mounting the Unit

1. Choose a suitable indoor location with proper ventilation and access to water and gas lines.
2. Mark the mounting points on the wall using the unit's bracket as a template.
3. Drill holes and insert the provided expansion screws.
4. Securely mount the water heater unit to the wall.

4.2 Water Connections

Connect the water inlet and outlet pipes to the corresponding 1/2" NPT fittings on the bottom of the unit.

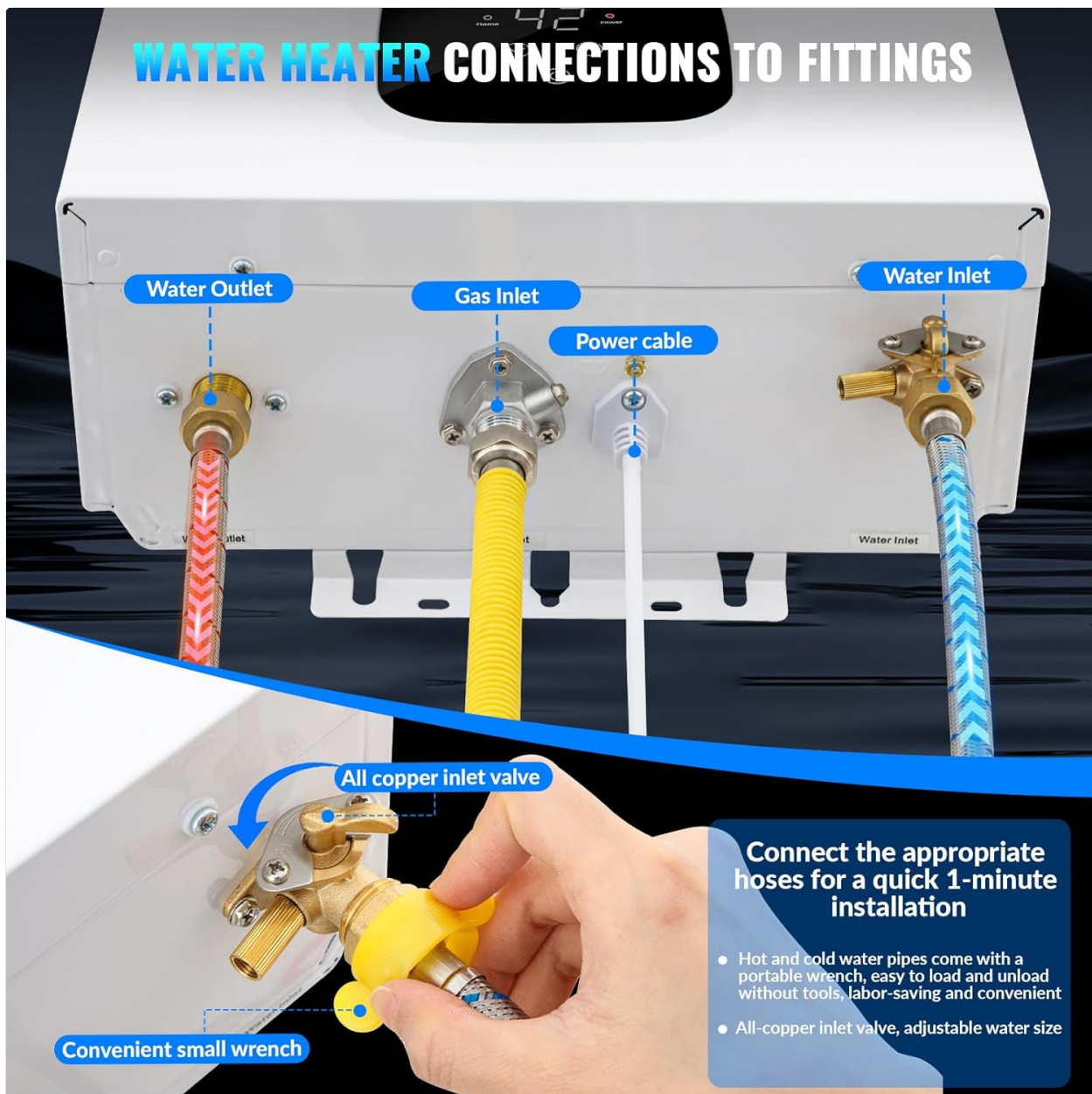


Image: A clear diagram illustrating the connection points for the water outlet, gas inlet, power cable, and water inlet on the bottom of the water heater. It highlights the convenient small wrench for quick installation of the all-copper inlet valve.

4.3 Gas Connection

Connect the propane gas supply line to the 1/2" NPT gas inlet fitting. Ensure all gas connections are tight and leak-free.

4.4 Venting Installation

Install the 2.5" horizontal vent pipe to ensure proper exhaust of combustion gases. Follow all manufacturer and local code requirements for venting.

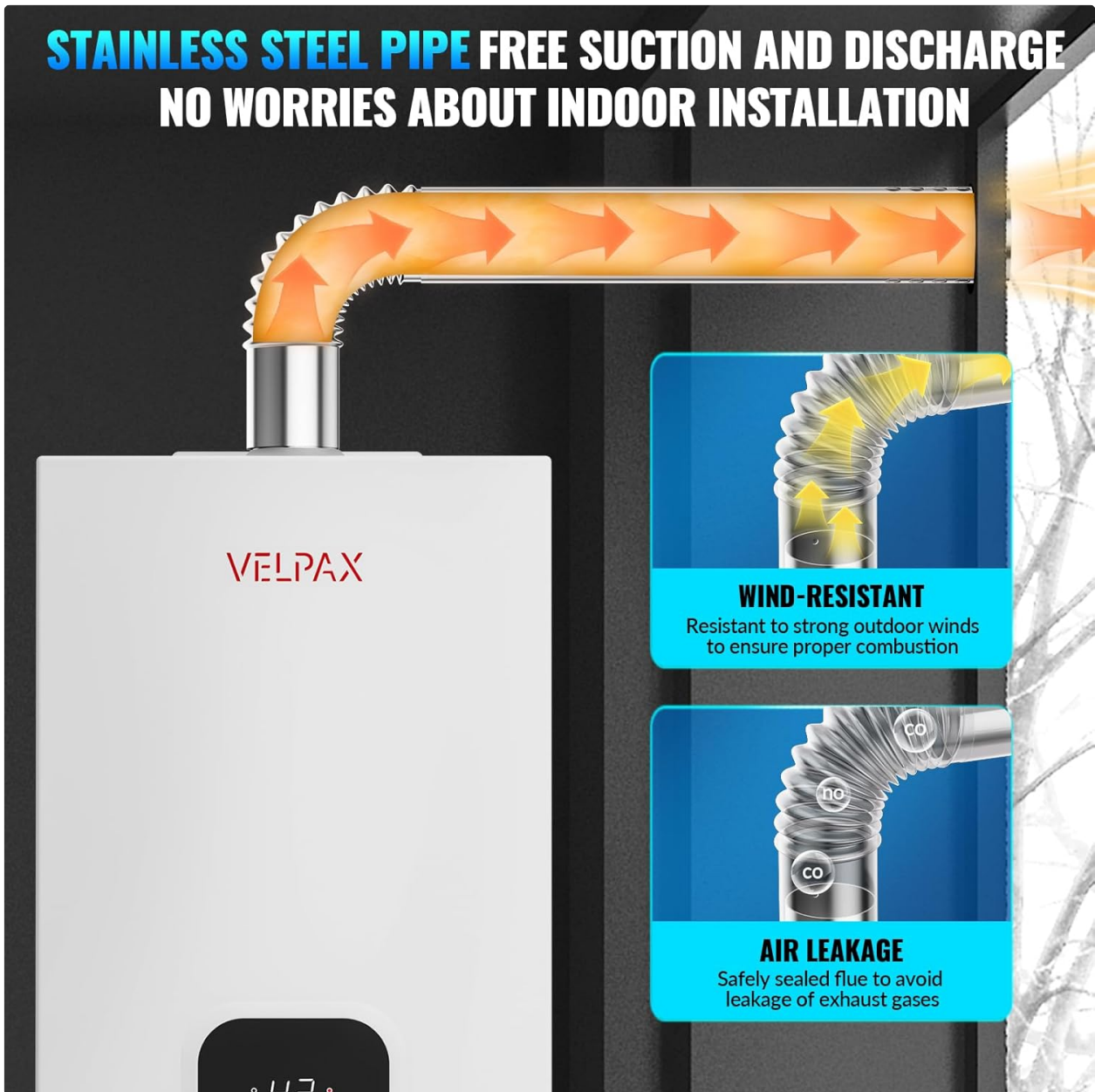


Image: Illustration of the stainless steel pipe for exhaust, emphasizing its wind-resistant design for proper combustion and safely sealed flue to prevent leakage of exhaust gases like CO and NO.

5. OPERATING INSTRUCTIONS

The VELPAX tankless water heater features an intuitive LED digital display for easy operation.

LED DISPLAY INTELLIGENT THERMOSTAT FOR ALL SEASONS



Image: The LED smart digital display on the water heater, showing temperature readings and control buttons for flame, power, and temperature adjustment (up/down arrows). It highlights the unit's ability to provide constant hot water and individual adjustment of water and gas.

5.1 Powering On/Off

- Press the power button on the LED display to turn the unit on or off.

5.2 Adjusting Water Temperature

- Use the up and down arrow buttons on the digital display to set your desired water temperature. The temperature can be adjusted between 95°F and 149°F.
- The unit will automatically adjust its heating to maintain the set temperature.

5.3 Hot Water Delivery

- Open a hot water faucet. The unit will detect water flow and automatically ignite to provide hot water on demand.
- Close the hot water faucet to stop the flow and the unit will cease operation.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your water heater.

- **Annual Inspection:** Have a qualified technician inspect the unit annually, including gas connections, water connections, and the exhaust system.
- **Cleaning:** Periodically clean the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners.
- **Descaling:** In areas with hard water, periodic descaling of the heat exchanger may be necessary to prevent mineral buildup. Consult a professional for this service.
- **Winterization:** If the unit is in an unheated area and will not be used during freezing temperatures, ensure all water is drained from the unit and pipes to prevent damage.

7. TROUBLESHOOTING

This section provides solutions for common issues. For complex problems, contact a qualified technician.

Problem	Possible Cause	Solution
No hot water	No gas supply, low water flow, power issue, flame sensor error	Check gas valve, ensure adequate water pressure, verify power connection, consult manual for error codes.
Water not hot enough	Temperature setting too low, excessive water flow, mineral buildup	Increase temperature setting, reduce water flow, consider descaling.
Unit cycles on/off frequently	Inconsistent water flow, air in lines, sensor issue	Check for stable water flow, bleed air from lines, contact support if issue persists.
Unusual noises	Mineral buildup, loose components, fan issue	Consider descaling, check for loose parts, contact technician.

8. SPECIFICATIONS

Attribute	Value
Brand	VELPAX
Model Number	HWRSQ-001
Style	16L, Propane (Indoor)
Product Dimensions	13.8"W x 21.7"H
Item Weight	22.9 pounds
Flow Rate	4.21 GPM
BTU Output	68,000 BTU/hour
Temperature Range	95°F - 149°F
Minimum Water Pressure	3.6 PSI
UPC	717504332376
Country of Origin	China

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase documentation or visit the official VELPAX website. Keep your proof of purchase for warranty claims.