

WATER HEATER INSTALLATION

38.1. Vocabulary

Ex. 1. Match the words with their definitions.

1. service panel	a. an electrical box that distributes power to various circuits within a building.
2. finished area	b. a way to solve a problem or answer a question effectively.
3. drip leg	c. a fitting used to connect two pipes made of different materials while preventing electrical conductivity.
4. clearance	d. the space or distance between two objects that allows for movement or access.
5. position	e. a section of pipe designed to collect and remove condensation from a gas line.
6. safety pan	f. a process that uses electricity to break down substances, often in a liquid form, into their basic components.
7. dielectric union	g. a part of a building that has been completed and is ready for use or decoration.
8. solution	h. a tube that carries natural gas from the main source to appliances like stoves or heaters.
9. gas supply pipe	i. a shallow tray placed under equipment to catch any leaks or spills for safety purposes.
10. electrolysis	j. a container that holds extra fluid to accommodate changes in volume due to temperature variations.
11. termination point	k. the specific location or arrangement of something in relation to other things.
12. expansion tank	l. the designated spot where a connection ends or is completed in a system.

Ex. 2. Complete the sentences with the given words.

finished area, drip leg, safety pan, expansion tank, termination point, service panel, Electrolysis, clearance, gas supply pipe, position, dielectric union

The technician checked the _____(1) between the water heater and the wall to ensure safety.

Make sure that the _____(2) is securely connected to avoid any leaks in the installation.

The _____(3) of the water heater should allow for easy access for repairs and maintenance tasks.

A _____(4) should be placed under the water heater to catch any potential leaks or spills.

The _____(5) must be accessible for checking electrical connections and making adjustments.

Finding the right solution for a noisy water heater can often involve checking the pressure settings.

The _____(6) of the water supply line needs careful attention to ensure a proper seal.

A _____(7) is necessary when connecting dissimilar metals in water heater installations.

The _____(8) must be installed properly to prevent water from accumulating in the gas supply line.

_____(9) can cause corrosion in pipes, so we need to monitor the system regularly.

An _____(10) helps to manage the pressure created in the water heater during heating.

The _____(11) around the water heater should be kept clear for easy access and maintenance.

38.2. Reading

Ex. 1. Read the text.

Installing a water heater can seem like a complex task, but with the right steps, it's manageable. First, ensure you have all necessary tools and

materials. Turn off the main power supply or gas line before starting. Drain the old water heater and disconnect the water and electrical connections. Carefully remove the old unit.

Position the new water heater in place, ensuring proper ventilation if it's gas-powered. Connect the water lines securely, using plumber's tape to prevent leaks. Reconnect the electrical wiring or gas lines, following the manufacturer's guidelines. Fill the tank with water before turning on the power or gas to avoid damage. Test the heater to ensure it's working correctly. Proper installation guarantees efficient performance and safety.

Ex. 2. Answer the questions.

1. What are the initial steps to take before installing a water heater?
2. How should you handle the old water heater during the installation process?
3. Why is it important to ensure proper ventilation for a gas-powered water heater?
4. What precautions should be taken when connecting the water lines?
5. How can you prevent leaks when connecting the water lines?
6. What guidelines should be followed when reconnecting the electrical wiring or gas lines?
7. Why is it necessary to fill the tank with water before turning on the power or gas?

38.3. Communication

Ex. 1. Make sentences using the following words.

1. plumber/installed/water
2. brother/helped/heavy
3. long/does/install
4. hire/professional/installation
5. heats/very/quickly
6. need/special/tools
7. complex/process/installing
8. wonder/installation/warranty
9. instructions/easy/install
10. turn/power/starting

