

## DRAINAGE, WASTE, AND INSTALLATION

### 35.1. Vocabulary

*Ex. 1. Match the words with their Russian equivalents.*

1. island venting	a. отвод от сантехнического прибора
2. branch vent	b. деаэрация канализационной трубы
3. wet venting	c. вентиляция с использованием воды
4. drainage fixture unit (DFU)	d. циркуляционный вентиль
5. loop vent	e. горизонтальный отвод
6. individual vent	f. индивидуальная вентиляция
7. fixture branch	g. островная вентиляция
8. horizontal branch	h. вентиляционный клапан
9. relief vent	i. дренажный элемент

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

**individual vent, fixture branch, branch, Island venting, loop vent, circuit vent, drainage fixture unit, relief vent, horizontal branch, Wet venting**

The plumber installed a \_\_\_\_\_(1) to connect the sink to the drainage system.

A \_\_\_\_\_(2) is important because it prevents pressure buildup in the plumbing system.

To ensure proper airflow, I checked the \_\_\_\_\_(3) vent for any blockages today.

We used a \_\_\_\_\_(4) to help maintain air balance in the drainage pipes of the house.

The \_\_\_\_\_(5) needs to be properly placed to allow water to flow freely without obstacles.

\_\_\_\_\_ (6) is commonly used in modern plumbing systems to save space and materials.

\_\_\_\_\_ (7) is necessary when the sink is far from the main waste stack in the kitchen.

Each bathroom should have an \_\_\_\_\_(8) to efficiently remove odors and gases from the drains.

The technician calculated the \_\_\_\_\_(9) to determine the system's capacity requirements.

A \_\_\_\_\_(10) was installed to ensure that the wastewater flows smoothly back to the main line.

## **35.2. Reading**

*Ex. 1. Read the text.*

When planning a drainage, waste, and vent installation, understanding the different components is crucial. A fixture in your plumbing system needs a proper vent to function efficiently. One important type is the branch vent, which serves several fixtures. For a more complicated setup, you might use a circuit vent that can handle a group of fixtures configured in a loop.

An individual vent serves a single fixture, providing a simple and effective solution. If you encounter an island venting situation, typically for sinks in a kitchen island, special considerations are needed. For connections like a horizontal branch, ensuring proper wet venting is important because it uses one vent to serve multiple fixtures.

In situations where additional support is needed, a relief vent helps alleviate pressure in the system. Each connection has a specific drainage fixture unit (DFU), which measures the load it puts on the drainage system. Proper planning and installation ensure that your entire drainage system works seamlessly, avoiding any future issues.

*Ex. 2. Answer the questions.*

1. What is the purpose of a branch vent in a plumbing system?
2. How does a circuit vent differ from a branch vent?
3. When would you use an individual vent in a drainage system?
4. What special considerations are needed for an island venting situation?
5. Why is proper wet venting important for connections like a horizontal branch?
6. In what situations would you need to use a relief vent in a drainage system?

7. What does the drainage fixture unit (DFU) measure in a plumbing system?

### **35.3. Communication**

*Ex. 1. Make sentences using the following words.*

1. sink/drains/kitchen
2. plumber/fixed/clogged
3. waste/management/environment
4. garbage/disposal/working
5. ventilation/essential/bathroom
6. clear/blocked/pipe
7. trash/need/take
8. sewage/system/repaired
9. smell/drain/unpleasant
10. ventilation/prevent/mold

### **35.4. Writing**

*Ex. 1. Make a short essay (150-200 words) on one of the given topics.*

- a) Waste management is important for keeping our communities clean. What do you think?
- b) Some people believe that installing vents is not necessary in homes. Do you agree or disagree?
- c) Good plumbing can prevent many problems in our houses. Is this statement true?