

INTERNAL SEWAGE SYSTEM - MODERN DESIGN

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Abstract

This article describes the current operation of the sewerage system, its shortcomings and methods for eliminating them.

Key words: sewage system, bath, sewage tank, filtration steam and sanitary ware.

Introduction

The sewage system was built in ancient times in Egypt, India, Rome, Greece. Greece and Rome had much better Sewers. It is known that sewers were laid in the territory of Uzbekistan in the past (see Afrosiyob). At that time, mainly ceramic pipes were used in sewerage. The modern sewage system was built in the 19th century. Sewerage allows to improve living and production conditions, efficient use of water resources and nature protection and is one of the main factors of residential improvement.

Sewerage is a set of engineering structures and equipment that removes waste water from enterprises, public and residential buildings, and residential areas, as well as cleaning and neutralization of these waters before their use or discharge into water bodies. The main parts of the sewage system are: sewage network, pumping station, treatment facilities and facilities for additional treatment of wastewater.

As we know, sewage system is a network of pipes that carries waste water from enterprises and residences; it is divided into internal and external sewage networks. From the internal sewerage network to household and i.ch. it is used to discharge wastewater outside the building or structures. It includes devices that receive wastewater (sanitary devices), racks, devices for discharging from the building. Some enterprises also install equipment that pre-treats



wastewater. The external sewage network serves to receive and discharge dirty and storm water from residential buildings and industrial facilities. It is divided into courtyard, quarter and street networks. Water from several sewage lines is collected in collectors, from where it is added to the general sewage network.

The route of the sewage network is laid so that the wastewater flows by itself as much as possible. If this is not possible, a pumping station will be installed. It drives waste water through pressure pipes. Ceramic, asbestos-cement and plastic pipes are used for self-flowing networks, and cast iron, reinforced concrete, asbestos-cement and plastic pipes are used for pressurized networks, and they are laid on the surface as much as possible, taking into account the depth of ground freezing. Sewerage wells are built along the route to check and clean the sewerage network.

There are also combined and separate sewage systems. In a combined sewer system, all water goes through one pipe. In a separate sewage system, separate sewage networks are built for sewage and rainwater from houses. In modern communal construction, a separate sewage system is mainly used. Water from industrial enterprises is added to the general sewage system only after it is cleaned by chemical, biological and mechanical methods. In places where there is no centralized sewage system, a local sewage system is built for each house (or several houses).

We know that our state does not provide all the necessary conditions for people to live well and improve their lifestyle. Today, thousands of people are being built and handed over to their owners. They are places. Their internal equipment, that is, service equipment, that is, a bathtub for washing dishes, a bathtub, and an external washing tub, all of them, in turn, correspond to the aesthetic requirements of the world. But in the process of using them, we face an ugly scene. All apartments, mostly in high-rise buildings, have a special tub for washing bowls and dishes. These tubs are mainly intended for rinsing and washing dishes after eating.

Most of the time, through the large filtration hole of this tub, small food products, such as bread crumbs, leftovers of soup rice, and small grains of rice, as well as small pasta leftovers, in general, small soup leftovers, when washing dishes, the large tub absorbs the filtration steam and flows into the lower connected sewer pipe, and some and the water-saturated residues will be caught in the sewage system, that is, after it has gained a suitable weight after being saturated with water. What are the negative consequences of this situation?



First of all, the food waste left in the small sewage system after being saturated with water causes a blockage in the sewage system.

Secondly, the plumber leads to cleaning work.

Thirdly, the residues created by this blockage go to the treatment stations through centralized sewage pipes. In order to prevent such problems, I would like to note that it is necessary to increase the number of special filters that catch at least 80-90% of small food waste.

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