

Chimney anti-odour filter

Spec sheet

Product description

A chimney anti-odour filter is a device used to remove pollutants from the air, which occur in objects belonging to the infrastructure of sanitary sewage. The neutralizer is equipped with an active carbon filter, through which the air flows, thus being cleaned. The air flow is forced by gravity - through the pressure difference inside and outside the chamber.

Technical parameters

Active bed:	active carbon
Diameter:	110 /160 / 200 mm
Capacity:	Up to 12 m3/h
Material:	HDPE



Intended use

Chimney anti-odour filters are considered effective devices for removing air pollution from unburned waste waters, as well as those emitting dangerous hydrogen sulfide. Thanks to the use of a chimney anti-odour filter, the air released outside the facilities is free of toxic and harmful substances. These devices are especially useful in places where there is no possibility of electrical power supply, which eliminates the possibility of using an active anti-odour filter, and in places where air pollution does not contain hydrogen sulfide (unpleasant smell caused by fresh sewage with a characteristic fecal smell).

The objects in which chimney anti-odour filters are most commonly used are:

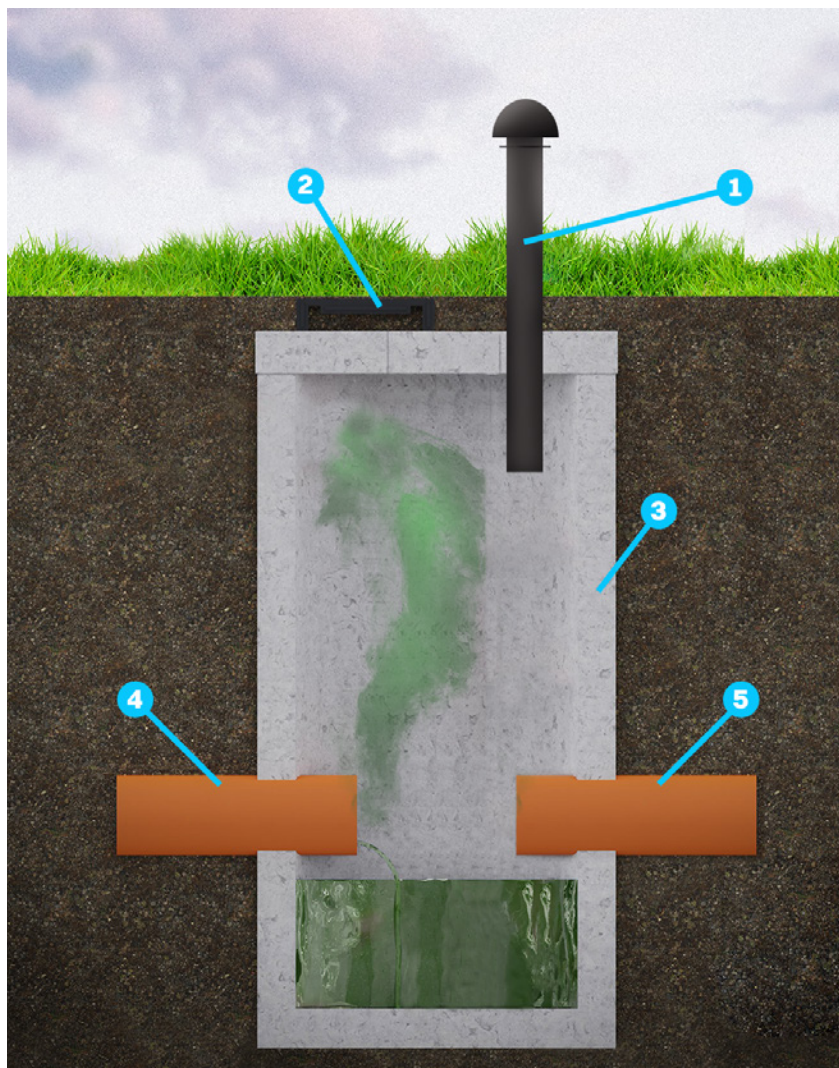
- expansion shafts
- Inspection shafts of sanitary sewage
- Sewage treatment plants
- Sewage pumping stations

Assembly conditions

Chimney anti-odour filters are adapted for installation in the openings located in concrete well covers and next to the wells (after ventilation pipe is brought). The opening is sealed with a sealed transition to smooth-walled pipes with an outer diameter matched to the outer diameter of the chimney.

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Operating principle



Functional diagram

Designations

1. Chimney anti-odour filter
2. Well hatch
3. Inspection shafts housing
4. sanitary sewer inlet
5. sanitary sewer outlet

Description of operation

The air inside the well equipped with a ventilation chimney is released outside after passing through the filling, in the form of activated carbon. Activated carbon effectively captures the air pollution causing unpleasant odors outside the well. The chimney anti-odour filter does not require maintenance, and the selected volume and type of deposit ensures a long period of effective operation.