



# MEDIA FILTER

## STORMWATER TREATMENT MEASURE



### What is a stormwater treatment measure?

Stormwater treatment measures are engineered systems that remove pollutants from stormwater before it reaches a storm drain, creek, or the San Francisco Bay. These measures are required by the City of Burlingame through the Municipal Regional Stormwater Permit. As an owner of one of more of these measures, the City requires you to perform routine inspections and maintenance actions to ensure that your treatment measures are operating effectively.

*Be the solution to water pollution.*



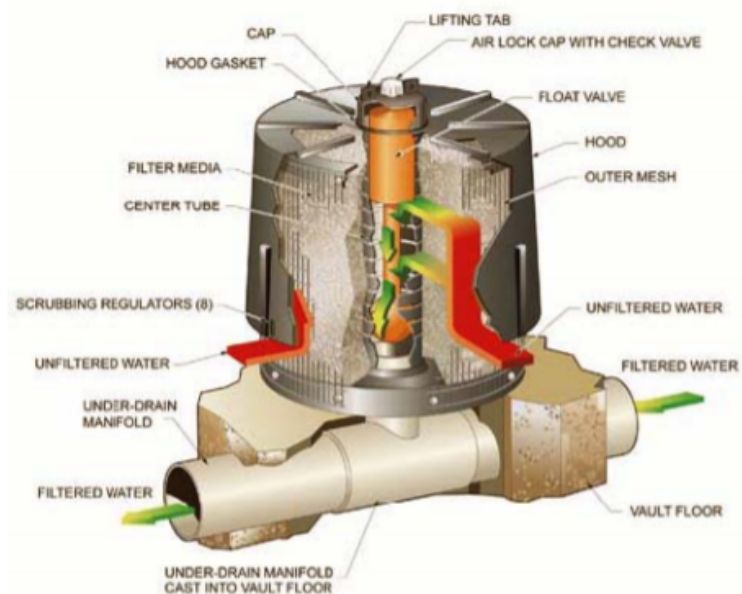
*Only rain down the drain.*

**Media filters** are flow-through treatment systems that remove pollutants from runoff through screening and adsorptive media such as sand, peat, or manufactured media.

Types of non-vegetated media filters include:

- 1) bed filters, such as Austin or Delaware sand filters;
- 2) proprietary modular cartridge filters;
- 3) powered filtration systems; and
- 4) catch basin inserts, also known as inlet filters.

Example #1: System C Filter Cartridge (typically used as part of a treatment train).



Source: CONTECH Stormwater Solutions, 2006.

### How do I find my stormwater treatment measure?

To find your stormwater treatment measure, refer to your site design plans or stormwater treatment measure maintenance agreement.

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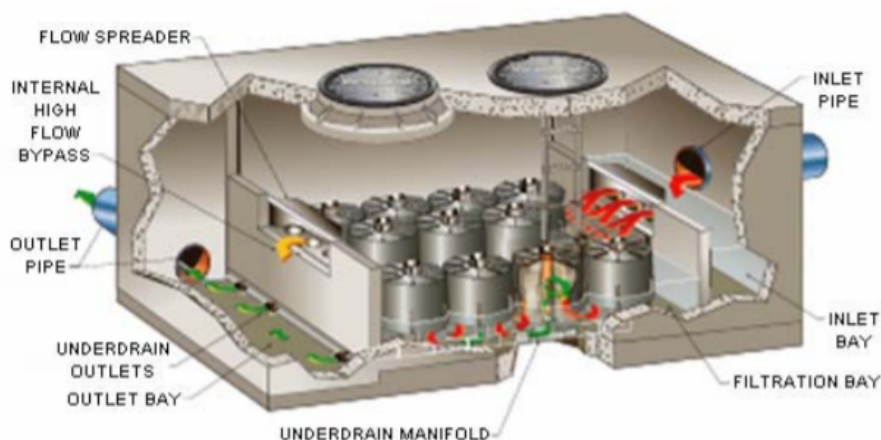
## MAINTENANCE ACTIVITIES

### How do I maintain it?

Clogging is the primary maintenance concern for media filters, and mosquito control is a secondary maintenance issue. Typical maintenance requirements are as follows:

- During the wet season, inspect periodically for standing water, sediment, trash, and debris to identify potential problems.
- Remove accumulated trash and debris in the sedimentation basin, from the riser pipe, and the filter bed during routine inspections.
- Inspect the media filter once during the wet season after a large rain event to determine whether the facility is draining completely within five days.
- If the facility drain time exceeds five days, remove the top 50 millimeters (2 inches) of sand and dispose of sediment. Restore media depth to 450 millimeters (18 inches) when overall media depth drops to 300 millimeters (12 inches).

Example #2: Plan View, Typical Cartridge System Filter Array.



Source: CONTECH Stormwater Solutions, 2006.

### Annual self-certification

Every year the Stormwater Program will send you a maintenance verification checklist for you to complete, sign, and return to the City. This form is used to verify that necessary maintenance has been completed for your treatment device.

Failure to conduct needed maintenance on all of your stormwater treatment measures may initiate an enforcement investigation or a follow-up inspection.

### What do I need to do?

**Step 1:** Locate all of your stormwater treatment measures.

**Step 2:** Inspect and maintain your stormwater treatment measures.

**Step 3:** Take photos of your stormwater treatment measures.

**Step 4:** Submit your completed maintenance verification checklist and photos to the City.



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