



GENERAL SPECIFICATIONS FOR MAINTENANCE OF FLOGARD® DUAL-VORTEX HYDRODYNAMIC SEPARATOR

SCOPE:

Federal, State and Local Clean Water Act regulations and those of insurance carriers require that stormwater filtration systems be maintained and serviced on a recurring basis. The intent of the regulations is to ensure that the systems, on a continuing basis, efficiently remove pollutants from stormwater runoff thereby preventing pollution of the nation's water resources. These specifications apply to the FloGard® Dual-Vortex Hydrodynamic Separator.

RECOMMENDED FREQUENCY OF SERVICE:

Drainage Protection Systems (DPS) recommends that installed FloGard® Dual-Vortex Separators be serviced on a recurring basis. Ultimately, the frequency depends on the amount of runoff, pollutant loading and interference from debris and litter; however, it is recommended that each installation be serviced at least two times per year. DPS technicians are available to do an on-site evaluation, upon request.

RECOMMENDED TIMING OF SERVICE:

DPS guidelines for the timing of service are as follows:

1. For areas with a definite rainy season: Prior to and following the rainy season.
2. For areas subject to year-round rainfall: On a recurring basis (at least two times per year).
3. For areas with winter snow and summer rain: Prior to and after the snow season.
4. For installed devices not subject to the elements (wash racks, parking garages, etc.): On a recurring basis (no less than two times per year).

SERVICE PROCEDURES:

Note: The most efficient way to service the FloGard® Dual-Vortex Hydrodynamic Separator is by physically entering the tank. To do so requires that the person be trained and certified in confined space procedures. DPS technicians ARE confined space trained and certified.

1. The service shall commence with broom sweeping around the manhole of the separator.
2. Lift the EZ-Lift tank manhole cover.
3. Then either:
 - a. Use an industrial vacuum with an extension to remove collected floating debris and hydrocarbons from surface, or;
 - b. Manually remove collected floating debris and hydrocarbons from the surface and place in a DOT approved container.
4. Measure depth of sediment buildup at bottom of tank through separator tube. Inspect tank and internal components for damage and obstructions.
5. If necessary*:
 - a. Use an industrial vacuum with an extension to remove sediment from the bottom of the tank through separator tubes, or;
 - b. Disassemble and remove the separator module from the tank through the manhole. Vacuum sediment and debris from the bottom of tank. Once the tank has been cleaned, the separator module should be reassembled inside the tank and set in place on the installed anchor brackets.
6. The EZ-Lift manhole cover shall be replaced.

DISPOSAL OF COLLECTED DEBRIS, HYDROCARBONS AND SEDIMENT

The collected debris, hydrocarbons and sediment shall be offloaded from the vacuum into DOT approved container for disposal. Once in the container, DPS has possession and must dispose of it in accordance with local, state and federal agency requirements.

Note: As the generator, the landowner is ultimately responsible for the proper disposal of the exposed materials. Because the materials likely contain petroleum hydrocarbons, heavy metals and other harmful pollutants, the materials must be treated as EPA Class 2 Hazardous Waste and properly disposed of. DPS relieves the landowner of the actual disposal task, and provides certification of its completion in accordance with appropriate regulations.

DPS also has the capability of servicing all manner of catch basin inserts and catch basins without inserts, underground oil/water separators, stormwater interceptors and other such devices. All DPS personnel are highly qualified technicians and are confined space trained and certified. Call us at (888) 950-8826 for further information and assistance.

***Note: DPS uses a truck-mounted vacuum for servicing these units. Pump-out by the industrial vacuum is not included as part of the normal service of the Dual-Vortex Hydrodynamic Separator and is quoted on a case-by-case basis when the silt level warrants.**