

OPERATION, INSPECTION AND MAINTENANCE GUIDE

STORMSAFE

BY: FABCO INDUSTRIES

INSPECTION AND MAINTENANCE

The Fabco StormSafe, like other storm water filtration devices, requires regular maintenance to remain efficient. By their nature, filters are meant to retain materials whether its coarse debris, dissolved pollutants or even bacteria. Eventually this collection of “stuff” must be removed, and the spent filtering media exchanged. In general, Fabco Industries recommends inspection and cleaning out the unit(s) at least one to two times per year.



CARTRIDGE TYPES:

Part #	Cartridge Type	Effectiveness	Ring Color
9718-1	Standard	Good All-purpose cartridge for common surface runoff that may contain a little bit of everything.	Red
9718-2	Pathogens	2x's more pathogen treatment vs. Std Cartridge. Use near sensitive water ways to keep beaches and shell fishing areas open.	Yellow
9718-3	HV Hydrocarbon	25% more hydrocarbon filter media Vs Std cartridge. Excellent for vehicle or maintenance related applications.	Blue
9718-4	HV Metals	Uses unique FABLITE filter media for HV metals. Suggested for industrial usage where persistent HV metals have been identified in surface runoff	Grey
9718-5	Standard Short	Reduced height version of std Cart.	Mint
9718-6	Nutrients	Uses proprietary FABPHOS media for nutrients. Highly effective on the critical dissolved Ortho- Phosphates. Helps reduce algae blooms keeping the water clean and healthy.	Green

INSPECTION PROCEDURE

1. Remove the grate and/or lid. CAUTION: Grates and lids can be extremely heavy. Some type of lifting mechanism is highly recommended.
2. Visually inspect for heavy sediment, trash, and debris loading.
3. Some telltale signs that cleaning or replacement is necessary are as follows:
 - Waterline marks within a couple inches from the bypass weir.
 - Standing water in the outlet chamber because it was designed to drain down after a storm.
 - Cannot see the tops of the cartridges because they are covered with sediment, which indicates a sediment depth on top of the deck of greater than 6 inches.
4. Record observations and comments on the maintenance log sheet. Include any necessary photos and/or sketches to maintain the most accurate records.

MAINTENANCE PROCEDURE

1. Remove the grate and/or lid.
2. Remove all sediment, oils, liquid, and debris from the structure. It is recommended that a vacuum device be utilized to remove accumulated material.
3. Remove the cartridge(s) by firmly grasping the plastic outer rim of the cartridge body just below the foam. Twist the cartridge body counterclockwise about $\frac{1}{4}$ turn until it stops. Lift the cartridge straight up to remove.
4. Install the replacement cartridges, see the table above for additional information on the different cartridge types.
 - The StormBasin filter cartridge(s) install through a hole in the bottom of the collection basin. The hole has four (4) slots that accept 4 tabs molded into the underside of the cartridge body.
 - Insert the StormBasin cartridge down through the hole in the base of the unit. The colored ring on the cartridge should be facing upwards. Push the cartridge all the way through the hole until it rests on the bottom. Slowly turn the cartridge in a clockwise direction until the tabs align with the slots and the cartridge body drops about $\frac{1}{4}$ ' further down.
 - Once the Tabs fall through the slots, continue turning firmly in a clockwise direction until the Tabs contact the stops.
5. Dispose of all liquid, oils, sediment, debris, trash and other accumulates in accordance with local, state, and federal regulations.
6. Finish the maintenance by placing the grate and/or lid back into the structure and securing it as necessary.

