

# SPI PETRO-BARRIER™

## Maintenance procedure for the Pre-Filter System

The Petro-Barrier has a pre-filter system designed to trap debris from getting to the oil stopping media. As routine maintenance this system should be cleaned or changed when a restricted water flow is noticed. Follow the steps below.



Unscrew and remove retaining ring.



Remove the top grate



Remove the soiled layers of Flo-Free, GSE fabric and floss.



Inspect the cavity and clean out any dirt and debris. Re-pack with new floss and GSE fabric. Replace metal grate and retaining ring .



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## PETRO- BARRIER Maintenance

Petro-Barrier will require filter maintenance occasionally in their five year lifespan due to dirt and debris build up. In the picture to the left is a Petro-Barrier which had no maintenance for 4 years. The top rock that is the first dirt filter is removed with the accumulate dirt. The Flow Free plastic mesh is a filter between the rocks and filter floss

The next layer is the filter floss which is a white 100% polyester material. The filter floss traps more of the dirt and finer particles. The final layer is the SPI micro mess which traps even finer particles of dirt. These layers are all removed and replaced.

The filter floss and flow free are pictured in the picture on the right. Both are very dirty and clogging the Petro-Barrier from flowing normally.

The Petro-barrier pre filters are then replaced.

- #1. If Petro-Barrier media is dirty scrape off about 1 inch of media and dispose of smooth out and compress.
- #2. Replace micro mesh disc with new disc over the Petro-Barrier Media.
- #3. Replace filter floss with new on top of micro mesh. Install enough so it is coming out of the sump.
- #4. Replace Flow Free mesh with new disk right on top of the filter Floss.
- #5. Top off Free Flow disc with clean crushed stone to the top of the concrete floor
- #6. Clean entire containment from any dirt and debris.

