

U-Phos® HiFlo System

Technical Bulletin: PH3 Filter Cleaning

Service Frequency: Every 20 hours of operation

Replacement: N/A

1. To mark the correct flow of PH3 through the filter use a sharpie marker to place an arrow pointing **downward** on the side of the filter body. Proper operation **MUST always** have the arrow pointing **downward**.
2. Using a 19-millimeter wrench to support the filter body, use an 11-millimeter wrench to loosen the nut/line at the bottom. PH3 filter is on the right side
3. Latex gloves should be worn when taking apart the filter and during the cleaning process.
4. Secure the filter in a vice with the arrow pointing **downward**. Using a 19-millimeter wrench, loosen and remove the top cap. Ensure flat washer stays attached to the cap when removing.
5. Remove the internal spring and filter element. Maintain awareness of the orientation during removal.
6. If a black or tar-like substance is present on the filter or housing threads, cleaning or replacement is required.
7. Soak the filter element in hydrogen peroxide for 12 to 24 hours if cleaning is necessary.
8. For reassembly, place the filter element into the housing with the base or lip facing **downward**. Reinstall the spring and thread the cap on by hand first.
9. Tighten to a snug fit, then apply an additional one-quarter turn.
10. When placing cleaned filter back on HiFlo unit, ensure the filter arrow faces **downward**, reconnect all lines properly, and tighten to specification.
11. If you encounter resistance beyond normal operation or have questions, contact us at bwarren@degeschamerica.com.
12. If inspection reveals contamination, the phosphine filter may be cleaned rather than replaced. Section Recap: Disassemble carefully, clean as needed, maintain internal orientation, and torque appropriately during reassembly. (See orientation pictures)

PH3 Filter



**Ph3 Filter
Parts**



**PH3 Filter
(Right)**



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