

Technical Support Bulletin 2008-03	All Plastic Filter Holder	August 28, 2008
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Alert Level: **IMPORTANT**

Instrument: WTS-LV

Software Versions: N/A

Subject: Handling the WTS-LV All Plastic Filter Holder

Summary: The WTS-LV is available with an all-plastic filter holder option. With this option, components that are typically titanium or steel are replaced with non-metallic components. This includes pre-filters, flow straighteners, and hardware. Handle plastic parts carefully to prevent breakage.

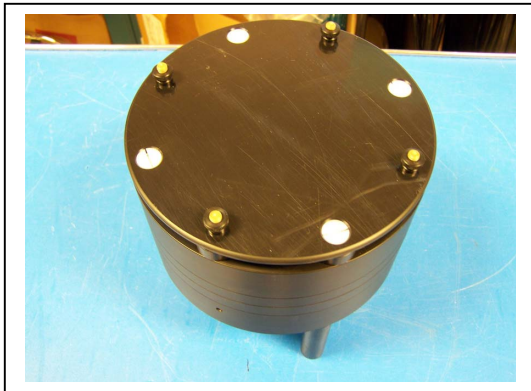


Figure 1: All-Plastic Filter Holder

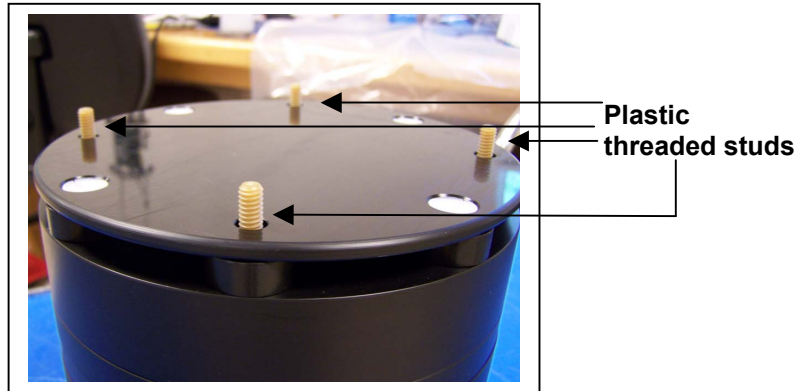


Figure 2: Plastic Hardware

The plastic threaded studs are strong in tension loads, but fragile under side loads or torque. When replacing the pre-filter, slide the filter evenly over the threaded studs (Figure 3). Side loading the threaded studs (Figure 4), increases the risk of breaking them.

Correct: Pre-filter level over plastic threaded studs

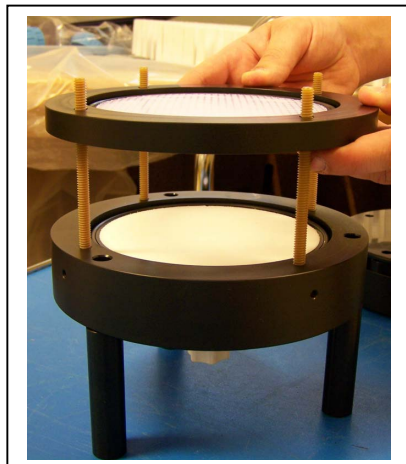


Figure 3: Level Prefilter - Correct

Incorrect: Pre-filter side loaded over plastic threaded studs risks breakage

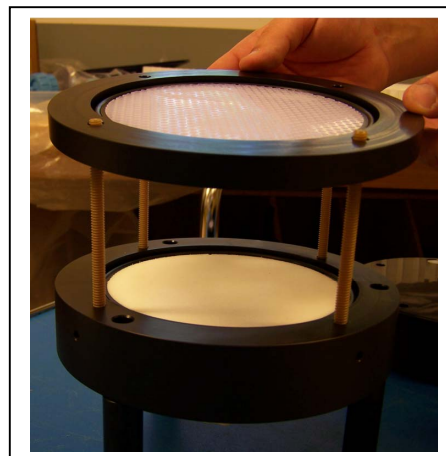


Figure 4: Side Loaded Prefilter - Incorrect

All plastic thumb nuts (Figure 5) are provided with this option. These are specially sized to minimize the risk of stripping or breaking the threaded studs.

A tightening tool is not necessary and using a larger diameter or metal thumb nut is not recommended.

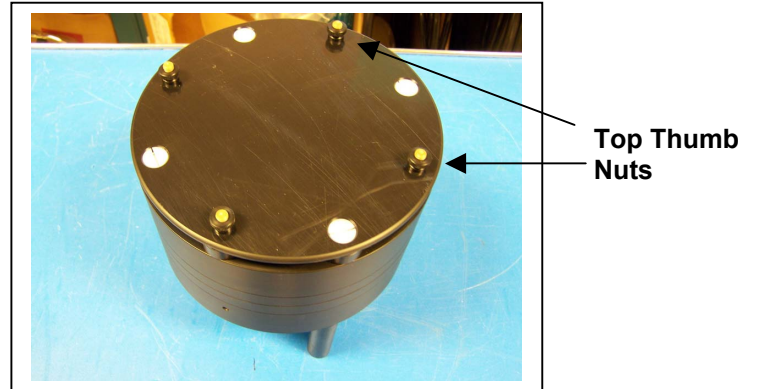


Figure 5: All-Plastic Top Thumb Nuts