

### Introduction

The PhytoFlash Active Fluorometer Flow Cap (P/N 2500-710) was designed for use in the Laboratory Mode as well as *in situ* instrument packages that utilize a submersible pump for flow through sampling. The Flow Cap should not be subjected to a pressurized water source that will exceed 15 PSI of differential pressure.

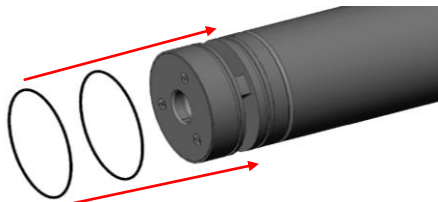
### Benefits

The four main benefits of using the Flow Cap are:

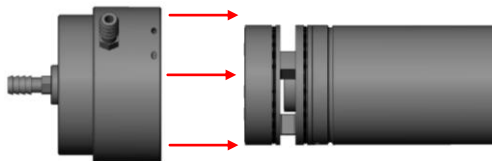
1. Control the duration of dark adaptation of phytoplankton samples
2. Integrate PhytoFlash into an existing CTD pumping system
3. Protect the sensors optical surface
4. Conduct laboratory experiments

### Installing the Flow Cap

- 1) Lubricate provided O-rings using Parker O-ring Lubricant or equivalent.
- 2) Install the two rubber O-rings into the grooves on the PhytoFlash's optical head.

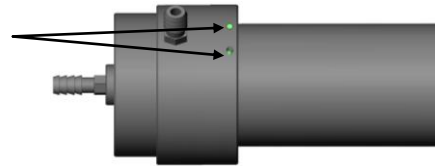


- 3) Slide the Flow Cap over the PhytoFlash's optical head. The Flow Cap will come to a stop when it is fully mated with the unit.



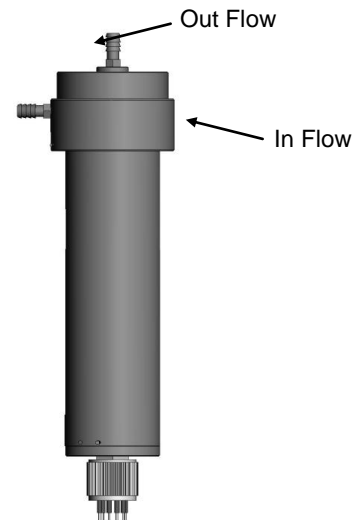
- 4) Feed the provided Green Support Line through the support line holes until the support line ends are flush with the Flow Cap.

Support Line  
(green) Flush  
with Flow Cap



- 5) Flow cap installation is now complete.
- 6) To remove the Flow Cap, simply push out the installed green support line using the extra support line provided and pull the Flow Cap off of the PhytoFlash's optical head.

*Note: Turner Designs recommends the configuration to the right for the Flow Cap. It is recommended to position the instrument vertically with the sensor head facing upward to expel any air from the system that might cause skewed readings.*



### Specifications

Material	Black Delrin
Diameter	9.8 cm (3.86 in.)
Weight	264 g (0.582 lbs.)