

FIBERworks[®]

Installation Instructions for FiberWands and “Y” Splitters

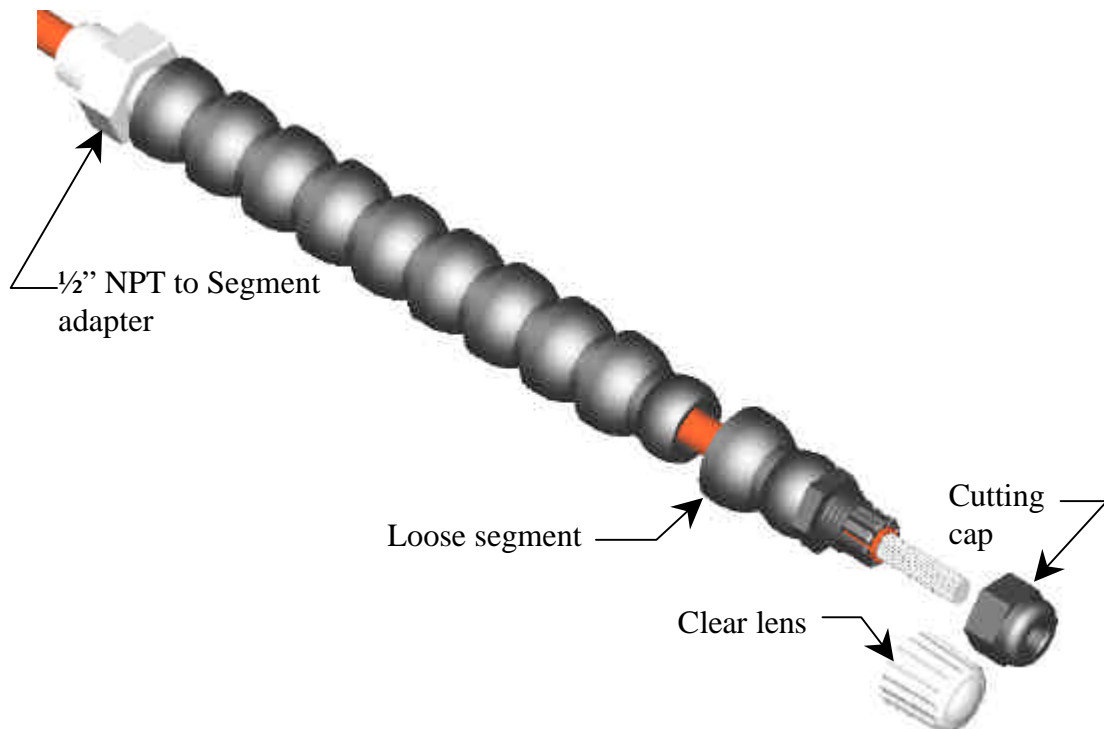
Read and Follow All Instructions

To install the FiberWand (or FiberWand with optional “Y” Splitter), you will need an OptiFusion™ kit, as well as sufficient AmerGlow™ cable to reach from the Photon Generator to the FiberWand location(s). You can use either AmerGlow™ 12, 30 or 70 fiber cable with the FiberWand. Note that the “Y” Splitter (sold separately, P/N 25000200) will accept only up to two 30 fiber cables, or a single 70 fiber cable divided in two, and that each “Y” Splitter requires two complete FiberWand kits.

Please refer to the FIBERworks[®] installation manual for details on installation of cable into the Photon Generator.

The FiberWand assembly fits into standard PVC elbows, tees and adapters. It can be staked into the ground in a garden, near statues or landscape features, or positioned in a fountain. The cable is completely sealed inside the FiberWand, so no epoxy or silicone is needed.

1. Bring the cable to the location where the FiberWand is to be installed. We recommend the use of conduit (½” minimum) between the Photon Generator and the FiberWand location, to protect the fiber cable from accidental damage.
2. Assemble the ½” NPT to segment adapter (included) to the FiberWand, or install one FiberWand to each half of the “Y” Splitter.
3. Run the cable through the elbow, tee or coupling assembly, and up through the FiberWand. If a “Y” Splitter is used, bring two separate cables up through the “Y” splitter, or strip back enough jacket from a single cable to allow the fibers to be divided before the Splitter. Extend the cable sufficiently out the end to allow yourself to work comfortably on it. Individual segments can be added or removed as needed.
4. Place the loose segment that has the threaded fitting attached over the end of the cable and then assemble it to the other segments. See the following diagram for assembly:



5. Strip back a couple of inches of jacket from the end of the cable (see the instructions included in the OptiFusion™ kit or the Photon Generator for proper use of the stripping tool that comes with the OptiFusion™ kit), then pull the cable back into the FiberWand until the jacket is flush with the end of the fitting.
6. Place the black threaded cutting cap over the fitting (see the previous picture) and tighten it down sufficiently to hold the cable firmly.
7. Place a small metal washer over the ends of the fibers to protect the plastic fitting while using the FiberKnife to cut the fibers. A #8 washer works well for 30 fibers, a #4 for 12 fibers.
8. Cut the fibers using the FiberKnife. Follow the instructions in the OptiFusion™ kit or FIBERworks® installation manual while using the FiberKnife.



WARNING

RISK OF SEVERE BURNS

The FiberKnife reaches extreme temperatures during normal operation. Grab it only by the red handle while it is plugged in, and until it is cooled down after it is unplugged. Do not lay the metal parts of the knife on anything flammable. Use a suitable rest, such as the stand included in the Professional kit to keep the blade elevated. Failure to follow these instructions can lead to severe burns, or property damage.

9. Remove the washer and carefully loosen and remove the cutting cap, without flexing or bending the FiberWand, and without pulling on the cable. Screw on the clear lens and hand-tighten it.
10. Push the cable and FiberWand assembly back into the tee or elbow until it seats. If you choose not to use PVC glue, use a small amount of silicone sealant around the joint to keep water and dirt out of the conduit.
11. Finish the cable at the Photon Generator end and test functionality.

If you have any questions regarding this installation, please call our customer service hotline, Monday through Friday, 7:30 am to 4:30 pm, PST at:

(800) 831-7133

Pentair Water Pool and Spa, Inc.

1620 Hawkins Avenue, Sanford, NC 27330
10951 West Los Angeles Ave., Moorpark, CA 93021
Visit www.pentairpool.com or www.staritepool.com

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