

## EASY-Fit INSTALLATION KITS FOR ALL BASEMENTSAYER WATER POWERED BACKUP SUMP PUMP MODELS (WP-, WPA-, HP-, HPA-Series)

*Easy-Fit Installation Kits For Use With Copper And/Or PEX Tubing  
Suitable For Water Pressures Up To 230 PSI Maximum*



***Congratulations On Purchasing Your Basementsaver Easy Installation Kit For Use With Your Basementsaver Water Powered Backup Sump Pump! You Should Soon Have Your Pump Smoothly And Efficiently Protecting Your Basement. This Installation Kit Gives You The Confidence To Do This Job Yourself At A Minimal Cost! Secure, Leak-Free Connections Are Quickly And Easily Made - Saving You Both Time And Stress. Just Follow These Easy Installation Instructions And It Is Difficult To Go Wrong!***

**NOTE** Use These Instructions For Either WP 3/4" Easy Fit Kits Or WP 1/2" Easy Fit Kits  
WP 3/4" Kits are for use with 3/4" ID tubing and ANY Basementsaver Water Powered Pump Model  
WP 1/2" Kits are for use with 1/2" ID tubing and Basementsaver WP1, WPA1, HP1, HPA1 Models Only  
*If you have any questions or concerns just contact **Basementsaver** – we're here to help you.*

### **Intended Use Of Basementsaver Easy-Fit Solderless Plumbing Kit:**

**The NEW Basementsaver Easy Fit Kit** Is Designed To Simplify Installation Of Any Basementsaver Water Powered Backup Sump Pump. Avoid Soldering by using our new 230 PSI-rated Push-On fittings.

**Note – These Insta-Loc™ Fittings Are Suitable For Use With Water Pressures Up To 230PSI**

These push-on fittings can be used for copper pipe, CPVC or PEX plastic pipe, or for a mixed system of copper and plastic tubing. That means if your house is piped in copper and you want to install using plastic, or vice-versa, you can use this installation kit.

### **What You Get And What You Need:**

Piping is not included – buy locally

#### **Items Included In Kit:**

Push-On Male Adapter and 90° Elbow  
Push-On Tee Adapter and Ball Valve  
Flexible Stainless Steel Hose  
8 Ferrules For Use With Plastic Tubing  
4 Hangers, 8 Screws, Instructions

#### **Tools Required:**

Wrench, Screw Driver  
Tube Cutter  
Tape Measure  
Pipe 'Dope'

## Using The Basementsaver Easy-Fit Solderless Plumbing Installation Kit:

**Important:** Please make sure that you read all instructions that come with your Basementsaver Water Powered Sump Pump before attempting this installation. This will save you a lot of time and stress.

### Notes:

- When piping with PEX / plastic tubing you must insert a ferrule (supplied) into the tubing
- When piping with copper tubing, the ferrule is not required.

**Step #1:** Turn off the water source and drain the system. Determine the “Tee-in location” and remove a short (about 7/8 inch) section of tubing using a tube cutter only. Clean the pipe ends and remove all burrs, or any object on the outside that can damage the push-on fitting o-ring, and confirm that the pipe section is completely round and circular.

**Step #2:** Insert the tubing into the Tee, by pushing firmly, until it stops. The Tee may be rotated to any position. Make sure that the tubing is fully supported on both sides of the Tee to remove any stress on the fitting.



**Step #3:** Measure and cut your copper or PEX tubing that will be used to run water to the pump unit, clean and remove burrs, and insert firmly into the push fittings at the tee.

**Step #4:** Before mounting your Basementsaver Water Powered Sump Pump unit to your basement rafter, install the 3/4" x 1" or 1/2" x 1" black polypropylene fitting (supplied with the pump) into the pump unit water input. Use PTFE (Teflon) tape on the fitting thread. Next attach the flexible stainless steel tube that is included in the Easy Installation Kit (this will facilitate alignment with the water supply pipe).

**Step #5:** Install the ball valve on the end of your water supply line, and then add a short piece of tubing and the male push-on fitting to bring the supply line up to the flexible stainless tubing. Connect the flexible tubing to the male fitting (using PTFE tape). Once this step is complete mount everything to the rafter at the proper location. Support all piping so not to place stress on the Insta-Loc™ fittings.



Male Push-On Fitting

**Step #6:** Close the ball valve and turn on the water source. Check for leaks.

## Insta-Loc™ Joint Installation & Removal Instructions

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## Insta-Loc™ Joint Installation & Removal Instructions

### Connecting an Insta-Loc™ Joint

The following instructions must be followed to assemble or disassemble Insta-Loc™ Push-On Fittings.

#### Preparation

Select the correct size fitting and tubing for your job. Check that the fittings and your tubing are clean, in good condition and are free from damage and foreign objects. Cut the tube so that the ends are square (ie. At 90 degree angle to the length of the tube). Ensure that there are no burrs or scratches 1" from the end. Wherever possible proper tube cutting tools such as rotary tube cutters (copper tubing) or tube shears (for plastic tubing) should be used.

Once the tubing end is cut square and clean, mark a 1<sup>1</sup>/<sub>4</sub>" insert depth mark on the outside of your 3/4" or 1/2" tubing. This mark is used during installation so that you can ensure that the tube is fully inserted and the joint is assembled correctly. To fit correctly, the tubing needs to be fully pushed into the fitting until it meets the tube stop.

#### Connecting a Joint

Complete the following 4 steps to insert the tubing into the fitting:

1. All Insta-Loc™ fittings used with PEX tubing, require the use of a ferrule in the tubing. The ferrule should not be used with copper tubing.
2. Insert the tube until it into the fitting.
3. Push the tube firmly with a slight twisting action until it reaches the tube stop.
4. To ensure that the tube is correctly inserted, check that your depth mark is up to the end of the fitting.

#### Disconnecting a Joint

Disconnection of the joint can be completed by unscrewing the retainer nut with a conventional wrench. Cut the tubing behind the retainer nut and remove the nut. Discard the loose piece of tubing along with it's o-ring, guide ring, and grip ring (do not re-use these components).

The fitting body and retainer nut may be re-used, but you will need to install a new o-ring, guide ring and grip ring. Check both the fitting and the tube end for damage. The fitting should be free of damage, dirt, and foreign objects. The tubing should be free of damage and marks on the outside diameter. If the tubing is damaged or marked, then cut and use a new section of tubing.

**After Installation, Please Place These Instructions Into The Plastic Instructions Bag That Came With Your Pump Unit And Hang The Bag On Or Near Your Basementsaver Water Powered Backup Sump Pump For Future Reference!**