



DDK50



DDK100E

Bubble Tubing Deicer Kit

Instructions for Operation • Safety • Warranty

Thank you for your purchase of an EasyPro bubble tubing deicer kit. EasyPro deicer kits are designed to be an energy efficient way to keep your dock, boat lift, piers, etc. free from ice formations. These kits are also great for shallow water aeration applications.

- Bubble tubing lays on bottom and pushes warmer water from the bottom up to the surface preventing ice from forming.
- Self weighted bubble tubing conforms to any shape needed.
- Kits include compressor, 15' of $\frac{5}{8}$ " weighted feeder tubing, 50' or 100' bubble tubing, fittings and clamps.
- Required cabinet or enclosure sold separately.

Safety and Electrical



Warning - Risk of electrical shock. For your protection always unplug the unit from its power source before installing or servicing.



Warning - This compressor is solely intended to pump air. It is not for use with oil, solvents or any petroleum products (gasoline, diesel, etc.).

- Always use a properly grounded AC outlet. Keep plug end from moisture and do not attempt to plug in a wet plug.
- Provide a “drip loop” for the line cord. This is a loop in the cord below the level of the receptacle or plug that prevents water from traveling along the cord into the receptacle.
- Be sure that a Ground Fault Circuit Interrupter (GFCI) is installed in the branch circuit supplying the equipment.
- Unit should be installed horizontally and above the height of water surface.
- Do not submerge or flood compressor. Do not place compressor where it could fall into water.
- Do not operate if power cord is damaged.
- Use extreme caution when operation in winter. Danger due to thin ice can cause drowning. Unseen currents can cause thin ice in areas long distances away from diffuser operation. Provide adequate warning for others when operating this system.
- Always wear a Coast Guard approved life vest when working in or near water and follow all safety guidelines.

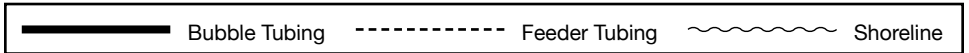
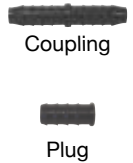
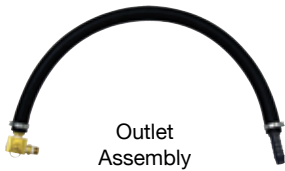
Note: EasyPro Pond Products is not responsible for losses, injury or death as a result of failure to follow these safety warnings, misuse or abuse of equipment.

Bubble Tubing Deicer Kit Components

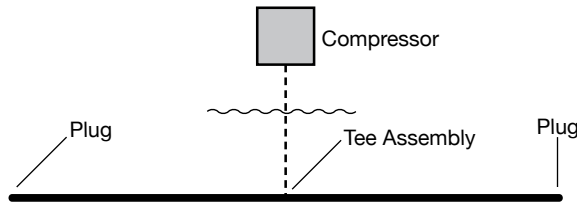
Kit Part #	Compressor	Feeder Tubing	Bubble Tubing	Compressor Repair Kits
DDK50	SRC25	15' Weighted	50'	SRC25K
DDK100E	SRC50	15' Weighted	100'	SRC50K

Installation Configurations

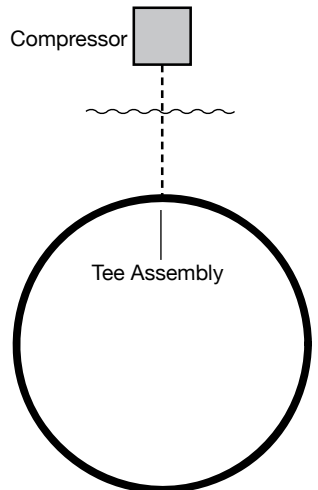
This kit can be assembled in three possible configurations using the fittings below depending on your pond, dock and deicing needs. The weighted ballast on the bubble tubing keeps the airline in place, allowing you to create curves and corners as needed.



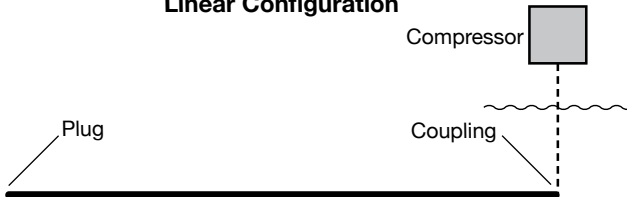
'T' Configuration



Closed Loop Configuration



Linear Configuration



General Instructions

DDK50

Compressors **require** protection from elements. **DO NOT** place your compressor in low spots or any place water may puddle. Flooded compressors are not covered under warranty.

1. Select preferred installation style (see previous page) and determine position of compressor.
2. Install threaded outlet assembly and air filter to correct port on the compressor, *Figure 1*. **NOTE:** Be careful to not over tighten. Use Teflon tape on threads.
3. Unroll the bubble tubing and feeder tubing.
4. Install plugs as needed in the bubble tubing and secure with small clamps. **NOTE:** To clamp the bubble tubing to all barbed fittings, carefully separate the tubing portion from the ballast by cutting it, *Figure 2*. This will allow a clamp to go only around the smaller tubing to secure the fitting. Do not attempt to clamp around ballast and tubing.
5. Install weighted bubble tubing in the water in desired location. Lower tubing into place and let it sink to the bottom. In some applications it is easiest to start at the farthest end and work toward the compressor/feeder tubing.
6. Secure weighted feeder tubing to the outlet assembly at the compressor with large clamp. This connection can be submerged if necessary.
7. Connect the bubble tubing to the feeder tubing with appropriate clamps. Excess tubing can be trimmed to length at this point.
8. When all connections are made and tubing is in place the system is ready for operation by plugging compressor into 120v GFCI protected outlet.



DDK100E



Figure 1. Note the compressor intake and outlet when installing air filter and outlet assembly.



Figure 2. Be careful not to damage the bubble tubing when splitting the ends away from the ballast.

Winter Operation

- You must clearly mark with warnings that there is open water or thin ice. Many states will require this by law.
- It becomes critical to protect the compressor from the elements. A cabinet or shelter is required. Be sure that adequate air ventilation is provided or compressor will fail prematurely.
- If lines become frozen, rubbing alcohol can be run down the line to thaw it out.

Maintenance

1. Always unplug unit before service, cleaning or any maintenance.
2. Keep intake filter clean.
3. Over time the compressors may need to have wearable components replaced. See chart on previous page for compressor repair kits.

Troubleshooting

Loss of air output but unit is running:

- Check to make sure the air filter has not been blocked or clogged by dust.
- Check to make sure lines are not kinked or plugged. If used in winter time, line may have ice in the line. A small amount of rubbing alcohol can be run down the air line to thaw the ice.
- Inspect the tubing to ensure it's clean. Replace or clean as necessary. See chart on inside page for replacement parts.
- Inspect wearable components inside compressor. Replace as necessary.

Limited Warranty:

- Compressors in DDK50/DDK100E kits have a two year limited warranty (see owners manual for complete warranty information)
- Quick sink tubing and bubble tubing have five year limited warranty

Other items included in this kit that are not listed above are considered wearable items and are not covered under this warranty. Limited warranty only covers properly installed and maintained units.

The limited warranty does not cover normal wear and tear, nor any deterioration suffered through overloading, improper use, negligence or accident. Similarly, any modification made by the purchaser to the product will cause the warranty to be null and void.

All returned items will be inspected to determine cause of failure before warranty is approved.

Limited warranty does not cover any cost associated with the installation or removal of the product subject to warranty claim.

A Return Authorization (RA) number must be obtained by calling EasyPro Pond Products at 800-448-3873. It is your responsibility to pay the return shipping charges. Be sure to include the RA number, original receipt (in the form of an invoice or sales receipt), name, return address and phone number inside of the package. No warranty claims will be honored without the original receipt.

Ensure the product is properly packaged and insured for the replacement value. Damage due to improper packaging is the responsibility of the sender.

The manufacturer or supplier shall not be held liable for any damages caused by defective components or materials of this product; or for loss incurred because of the interruption of service; or any consequential/incidental damages and expenses arising from the production, sale, use or misuse of this product.

The manufacturer or supplier shall not be held liable for any loss of fish, plants or any other livestock as a result of any failure or defect of this product.

