



Precision Marine Systems

Retrofit Injector

Assembling your injector...

- 1) Locate the threaded speedfittings (beige colored), black insert nipple (for optional ozone use), and male threads at the bottom of the injector. Using the supplied teflon tape, wrap each of the threads in the opposite direction of tightening. This will keep the teflon tape from unraveling when you thread them into the injector body.
- 2) Thread one speedfitting into the female threaded opening on the back side of the injector and tighten. See image to right.
- 3) Thread the black insert nipple into the other female threaded opening on the front side of the injector and tighten. Be sure to leave the red cap on unless you are using ozone.
- 4) Locate the black air valve and place it into the injector base as shown in picture to right. Thread the other speedfitting into the bottom of the black air valve. Thread the white muffler on top of the valve as shown. Teflon tape is not needed here.
- 5) Locate the red polyethylene tubing and push into the speedfitting on the injector. Connect the other end to the speedfitting attached to the valve as shown. To remove the tubing, simply push the collar in the speedfitting while pulling the tubing out. Your injector is now assembled.
- 6) Please note that the lid of the injector is reverse threaded. Tighten to the left and remove to the right.
- 7) Remove the bottom half of the union (with teflon wrapped threads) by rotating union collar (loosen). Thread into the input of your Bullet Skimmer as shown. Place the injector on top of the union and re-tighten the union collar.



Servicing your injector...

1. It is not necessary to remove the injector body from skimmer.
2. Simply twist clockwise to loosen the quik-lok injector lid. The lid is reverse thread/tightening.
3. Remove the lid. The black beckett injector will come out with the lid. Do not lose the o-ring on the end of the injector.
4. Remove the injector from the grey fitting and remove the o-ring.
5. The injector comes apart in 3 pieces. Note how pieces fit together for reassembly.
6. Dissolve salt deposits with hot water. If necessary, soak in straight vinegar overnight and rinse well.
7. Stretch the o-ring back onto the larger end of the black beckett injector.
8. Push the smaller end of beckett injector back into the fitting in the lid.
9. Replace the lid (with injector attached) back onto the injector body, taking care to keep both mating surfaces clean and free of dirt or debris.
10. Replace the lid (with injector attached) and firmly push the injector into receiving fitting at the bottom. Twist counter-clockwise to seal and you're done!

Note: The machining tolerances on the injector lid and receiving piece are very tight. The more you use lid, the better the two surfaces will mate.