

Prime Drop-In Chiller - FAQ's

Q: What application works best for a drop-in coil style chiller?	A: Simple-to-install, our Prime Drop-In coil chiller require no plumbing and works great for systems where no plumbing lines are available. They also work well in applications where you want to place the chiller in a different room and simply place the coil in your sump.
Q: How much of the coil needs to be under the water?	A: It is extremely important that the coil always remain submerged in the water. Everything below the top 3" of the riser portion of the coil should be submerged. The coil must be placed in an area where water constantly flows past it.
Q: How far can I bend the coil connection hose?	A: Our flexible hose has a maximum bend radius of 12". Do not bend the hose any shorter as it will kink the line and damage the chiller.
Q: Where is the best location to install the chiller?	A: For maximum efficiency, water chillers are best located next to an aquarium where the back and front have at least 18" of space for proper ventilation.
Q: Can the chiller be installed under a stand?	A: Due to inadequate ventilation we do not recommend installing Prime Drop-In Coil chillers under aquarium stands. Chiller efficiency is very dependent upon proper air flow. Placing the unit next to the stand or in a different room will provide an ideal location for ventilation and proper air movement.
Q: The chiller is running, but it is not cooling the tank.	A: If your chiller is plugged in, and seems to be working, use these guidelines to see if it isn't working correctly: 1. Ensure that the chiller has been correctly sized for your application. Check our website for sizing guidelines or contact your retailer.
Q: What maintenance is required on the chiller?	A: The only maintenance required on our Prime Drop-In Chillers is to ensure that the condenser fins are kept free of dirt and debris. Pet hair and dust can impede air flow, therefore reducing the efficiency of the chiller. Please follow the steps listed in
Q: What is the evaporator made of?	A: All chillers made by Current-USA use titanium heat exchangers that provide the highest protection from the corrosive elements in saltwater.
Q: What is the required flow rate of water across the coil?	A: It is important to maintain a consistant water flow of 9-22 gpm (540-1320 gph) past the coil.
Q: Where do I install the temperature sensor?	A: Drop-In style Prime chiller controllers are designed to have the temperature sensor installed directly into the tank your cooling, or into the sump where the coil is located. It is important that the bottom 4" of the sensor always remain submerged.
Q: What is the difference between a single stage and a dual stage controller?	A: A single stage controller is designed to automatically turn only the chiller on and off. It features one female plug to connect to the chiller and a power cord. A dual stage controller features two female plugs - one for the chiller and one for a heater
Q: What if the chiller isn't running at all?	A: A single stage controller is designed to automatically turn only the chiller on and off. It features one female plug to connect to the chiller and a power cord. A dual stage controller features two female plugs - one for the chiller and one for a heater