



Chiller

This is an 8 light system that can be used with any size bulb. Water is pumped from the reservoir and pressurizes the supply manifold which pushes water through the Ice Box heat exchangers and any other water-cooled equipment that you are using. Air is passed over the Ice Boxes which warms the water before returning back to the reservoir via the warm water return manifold. The chilled water supply manifold should be a consistent size throughout which is 1" if using a recommended Flotec inline pump. The 1" line is then reduced at the point of distribution to 1/2" tubing. To ensure even distribution through your equipment the warm water return line should be the next size larger (1 1/4" in this case) and should be consistent size back to the reservoir. The water chiller is used to cool the water in the reservoir which is circulated in a closed loop. With our Flotec pumps there are several outlets that can be used and one of these outlets is used exclusively for the chiller. In this setup additional Ice Boxes are used to increase the cooling efficiency of the system and all fans are controlled by thermostats so that the perfect temperature is maintained year round. Depending on the location and cooling needs we would recommend a 2 or 3 HP chiller.