



RESIDENTIAL OPERATION GUIDE



Follow this operating guide to get the most out your Glacier Pool Cooler. Share this guide with your installer and keep a copy for the life of your cooler.

REMEMBER: Every pool is different. You and your installer will determine how to customize your cooling experience.

1

VALVE SETTINGS



Glacier units work off of the water pressure they are given. The installer should set the inlet and outlet valves and mark them. You will not have to touch these valves until the end of the season.* The inlet water is what makes the unit's arms rotate. Once valves are set at installation, expect them to rotate at a somewhat medium pace. The holes on the wands should point directly to the right, and can be adjusted by reaching through the hand hole in the side panel; just remove cover to access. Don't screw wands too tight! Wands can snap!

If water is splattering out the top of the unit, you are flowing too much water through the system.

SLOW & STEADY!

*See operations manual for complete instructions on winterizing your unit

2



CHILLING PROCESS

As the water is processed through the unit, the chilled water collects in the bottom basin. The water level in the basin should rise and fall, allowing the internal sump pump to push the water into the pool line in cycles. The internal pump works on a float switch, thus the water should rise to almost the top of the basin, kicking on the sump pump and draining the basin into your pool line. In residential units, these cycles can last 2-3 minutes.

3

PLUMBING



Your installer must read the instructions in the manual! The Glacier Pool Cooler is not installed like a heater. The cold water leaving through the outlet line should be plumbed either into the SUCTION side of your pool pump, or into a designated line (as seen in new build diagram). If the unit is plumbed incorrectly, the chilled water will headwall in your plumbing lines and not cool your pool. Our units rely on your pool's pressure to operate the unit and your pool pump's suction to move the chilled water to the pool. Commercial installations have additional options; please refer to the manual.

4

AIR FLOW



YOUR CHILLER NEEDS FRESH AIR! Do not install your unit in an enclosed room where the unit will suffocate. This is an air cooled system. It needs fresh air in, and a place to exhaust the heat out of the water. Air flows from the bottom and out through the top, thus condensation will appear above when close to a ceiling. For best results, install outdoors or in a very well ventilated area.



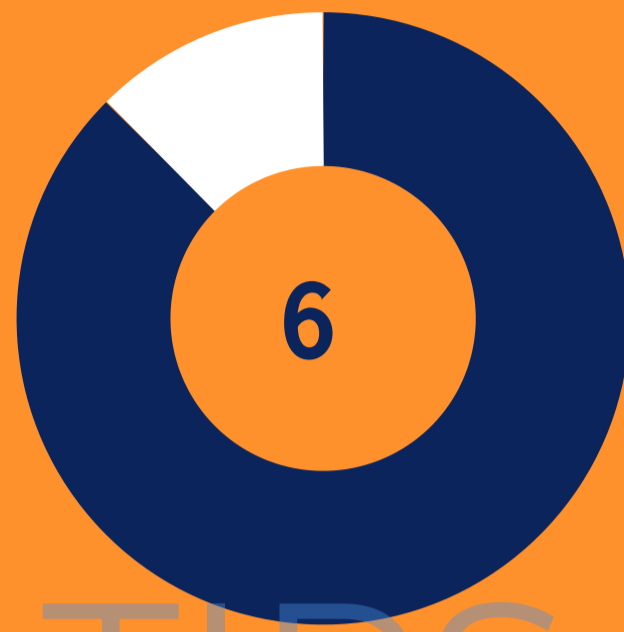
5

MAX COOLING



Your pool is not going to drop degrees during daylight hours. Run your pool and cooler at night to drop the temperature of your pool.* During the day time you may continue to maintain your preferred temperature. All pools are different, so find your desired temperature by how long you run your pool cooler at night. It is up to your installation if you automate the cooling function or if you manually turn the cooler on and off. Ask your installer for options.

*If your pool has a variable speed pump, set valves to one speed and only cool with that setting!



TIPS

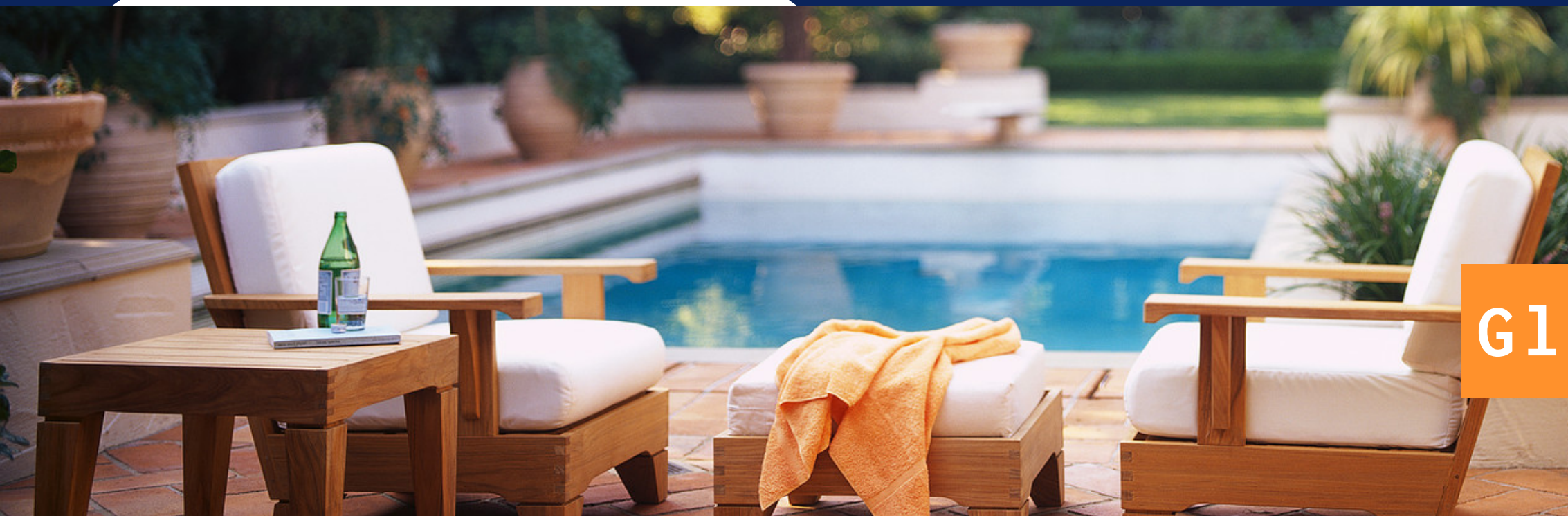


If your installer gets stumped, have them give our technicians a call. We are always available to assist. Every pool is different. There are NO dumb questions!!

If your pool is not cooling, it may be an installation error. It is critical that our installation instructions are followed. Our units are not installed the same as other pool equipment. Glacier Pool Coolers warrants the product from head to toe. Your installer should warranty their work.

Keep record of the unit you purchased. If you ever need warranty, parts, etc., you will need to know what model you have. You will also need to reference the name on the motor plate as some parts only fit specific motors and molds may change from time to time. Examples are below & on our parts store!

GPC25	210	215
TECO	Liang	Chi



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