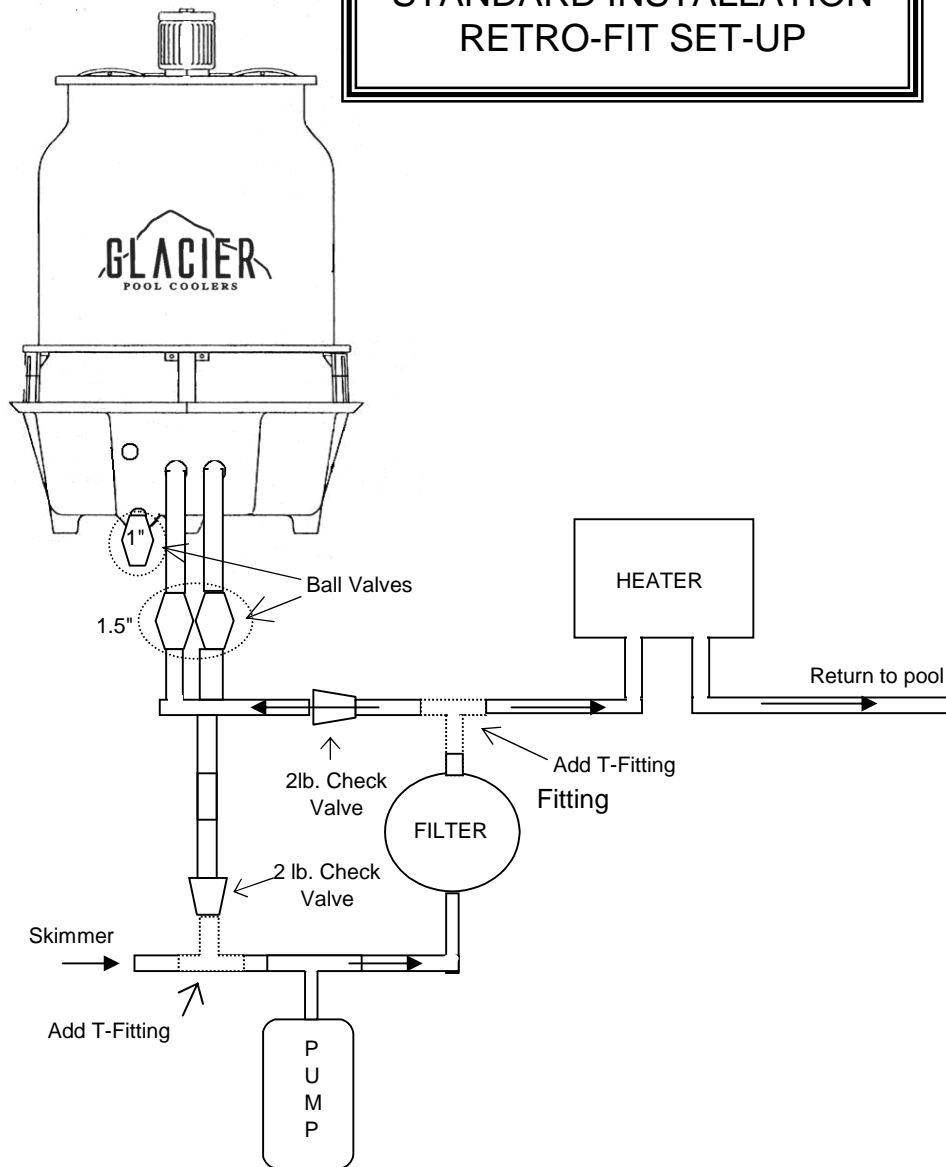


STANDARD INSTALLATION RETRO-FIT SET-UP



1. **FIRST STEP** - ADD and connect a PVC T- Fitting right after the Filter or Heater line return to the pool, then ADD your PVC pipe line. Next, ADD a 2lb. Check valve on this line, then ADD a Ball valve before the inlet. Connect this to a threaded adapter fitting (1 1/2 Male size) going to the MIDDLE inlet hole (input) to the cooler (connect and glue all parts). You can use 1.5" or 2" pipe.(Must ADD 2" Coupling Reducer after ball valve, if using 2" pipe on install on ALL residential models).
2. **SECOND STEP**- ADD another adapter fitting at the right outlet hole, (output) then ADD and connect your Ball Valve FIRST, then ADD your PVC pipe line out of the cooler. NEXT, ADD a 2 lb. Rainbow Check valve on this line down (closer to the pool pump) at the suction/skimmer side of the equipment set-up. Then, ADD a PVC T- Fitting at suction/skimmer line to connect this line at the pump.
3. **THIRD STEP**- ADD 1" plug in top hole on the left side of basin. ADD 1" threaded fitting, then a 1" Ball valve at bottom lower outlet.
4. **FOURTH STEP- ELECTRICAL** The pool cooler works with the pool pump power. The minimum amperage needed is a 20 amp breaker to operate the pool cooler with the pool pump. **Electrical installation on a retro-fit Cooler 220v intermatic timeclock.** The cooler is 110v and most pool systems operate @ 220v, therefore take the hot leg from the cooler and run it to either load on the T104R3 220v timeclock. The ground ties into the grounding lug on the bottom of the timeclock. The Neutral wire needs to be run either to the ground or to the open screw on the far left of the terminal. Run an extra piece of ground wire to the open terminal (far left, and a little offset)if you decide to use the extra terminal for the ground wire, which is preferred. **Electrical installation using an Aqualink or Compool system.** Installation of a Glacier Cooler on a Jandy or a Compool is virtually the same. First, find the primary filter pump which will be feeding the cooler. The relay has 4 screws 2 lines and 2 loads as follows from left to right....Line1 Load1 Line2 Load2. Use one of the Loads as your HOT for the Cooler, either one, but only one, you will need an available relay or add another if space is available. Take the cooler relay's (line) and wire it to either of the filter pumps load, this will keep the cooler from running without the filter pump. Ground and Neutral tie into the Grounding terminal. Each relay has a plug that must be plugged into an open Aux female socket to allow control through the automated system. When using actuators, you will need (Factory recommends one actuator per valve actuator control) otherwise both actuators can be tied together and plugged into one valve control. There are many different ways to electrically install a Glacier Cooler, depending on the needs of your customers. **Only qualified Swimming pool Techs should attempt to do the electrical installation!**

