

ELECTRICAL REQUIREMENTS FOR ABOVE GROUND POOLS

Pool Pump Receptacle

The receptacle for the pool pump motor must be located at least 6' measured horizontally, from the pool wall. This must be a single receptacle or a locking receptacle, must have an in-use cover, and must be protected by a Ground Fault Circuit Interrupter.

The pool pump receptacle must be on an individual branch circuit if the motor draws more than 50% of the circuit rating. No other loads can be placed on this circuit.

If the Pool pump circuit is being installed underground it must be encased in conduit (Rigid PVC or Rigid Steel) and have a minimum burial depth of 18". All wiring enclosed in the conduit must be insulated with Type THWN insulation. The use of expansion fittings is required with PVC conduit.

Pump Cord

The pool filter pump cord must be 12/3 AWG. Not more than 36" long.

Convenience Receptacle

At least one GFCI protected receptacle is required to be installed in the pool area. This receptacle must be placed not less than 6' or more than 20' from the pool. (Measured horizontally). This receptacle must be Weather Resistant (Type WR) and must have an in-use cover.

Pool Bonding

The pool wall, motor, water and surrounding soil are all bonded by installing an un-insulated #8 solid copper conductor all the way around the perimeter of the pool. This wire is buried in a trench 4-6" deep and 18-24" from the pool. If the bottom rail of the pool is metal, the bond wire must be attached to the rail at four equally spaced points using lugs that are UL listed for direct burial. (No sheet metal or self tapping screws). The bond wire must also attach to the water bonding appliance and the bond lug on the pool motor.

Timer

All pool pumps must be controlled by a timer. This will be a clock timer installed indoors or outdoors in a weatherproof enclosure. The timer may also be integral to the pump or filtration equipment. Any other timer must maintain the #12 AWG wire size and be listed for exterior use, and for the rating of the pump circuit.