

TOWN OF OGDEN
Electrical Requirements for
Above Ground and In-ground pools

ALL IN-GROUND POOLS & ABOVE GROUND POOLS CAPABLE OF HOLDING 42" OF MORE OF WATER ARE
CONSIDERED PERMANENTLY INSTALLED POOLS

1. Wiring for pump motor shall not have less than **#12 AWG insulated copper grounding wire**, and to be in conduit, except when entering building can change to NM cable. If using 15 amp breaker, may be 14 gauge wire for hot & neutral but ground must be #12.
2. If the pump motor receptacle is located from **6' to 10'** from outside pool wall, the receptacle must be **single, twistlock, 15 or 20 amp, GFCI protected with watertight in-use cover.**
3. Pump motor cord **shall not exceed 3'** & shall have a grounding wire of not smaller than **#12 AWG** copper.
4. Circuit line for pump motor shall be a continuous circuit going directly to panel box and **shall have no other receptacles.**
5. A receptacle used unattended in a wet location shall have a **watertight in use cover**
6. All underground UF wire and PVC conduits must be 18" deep, unless circuit is protected by GFCI upstream, then 12" deep. Only electric specific to the pool is allowed less than 5 feet to the water's edge & must be **18" deep** and be installed in an approved raceway.
7. At least one convenience **receptacle must be located between 6 & 20 feet** from the water's edge & must be GFCI protected. Existing outlets between 6 & 20 feet shall be GFCI protected. This can be wired with any approved wiring method.
8. All metal parts must be **bonded together with a No. 8** or larger ground wire, solid copper wire must be used. (motor, ladders, pool frame, diving board, lights, etc.)
9. **A minimum of 9 sq. inches** of metal must be in contact with the water to bond water.
10. **Perimeter equipotential bonding:** All pools shall have **#8 CU 18-24 inches out 4-6 inches deep** if no concrete with wire or mesh in it. This wire must circle pool.
11. When bonding pool frame or any metal parts to main bonding wires or wire mesh, you must use listed **non-corrosion clamps.**
12. For dry niche, wet niche, no niche lighting fixtures,
13. For any lighting fixtures outside of pool.
14. **Time Clocks** shall be installed so that the pump can be set to run in the off-peak electric demand period and can be set for the minimum time necessary to maintain the water in a clear & sanitary condition in keeping with the health standards.
15. **Swimming Pool Alarms:**
Each residential swimming pool installed, constructed or substantially modified after December 14, 2006 shall be equipped with an approved pool alarm which:
 - (1) is capable of detecting a child entering the water and gives an audible alarm when it detects a child entering the water;
 - (2) is audible poolside and at another location on the premises where the swimming pool is located;
 - (3) is installed, used and maintained in accordance with the manufacturer's instructions;
 - (4) is classified by the Underwriter's Laboratory, Inc to reference standard ASTM F2208, Entitled: Standard Specification for Pool Alarms, as adopted in 2002;
 - (5) is not an alarm device which is located on person(s) or which is dependent on device(s) located on person(s) for its proper operation.

All swimming pool applications must:

- **Be submitted and approved by the Building Department prior to the installation of any pool.**
- **Meet New York State Electrical Code and Barrier/Fencing Requirements.**
- **Building permit applications are available at www.ogdenny.com or in the Building Dept., 269 Ogdenville Center Rd., Spencerport, NY 14559, 585-617-6195**