

# STORABLE SWIMMING POOLS, SPAS, & HOT TUBS

## ELECTRICAL WIRING REQUIREMENTS 2014 National Electrical Code

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**STORABLE POOLS** ARE THOSE THAT ARE CONSTRUCTED ON OR ABOVE THE GROUND, AND ARE CAPABLE OF HOLDING WATER TO A MAXIMUM DEPTH OF 42 IN., OR A POOL, SPA, OR HOT TUB WITH NON METALLIC, MOLDED POLYMERIC WALLS, OR INFLATABLE FABRIC WALLS REGARDLESS OF DIMENSION. (The maximum water depth of 42" does not apply to inflatable swimming pools.)

### 1) Storable Pool Pumps

- a. A cord-connected pool filter must incorporate an approved system of double insulation or equivalent
- b. Cord-connected pool filter pumps must be provided with a ground-fault circuit interrupter (GFCI) that is an integral part of the attached plug or located in the power supply cord within 12" of the attached plug.

### 2) Receptacle (Outlet) and Wiring Method for Storable Pool Pump

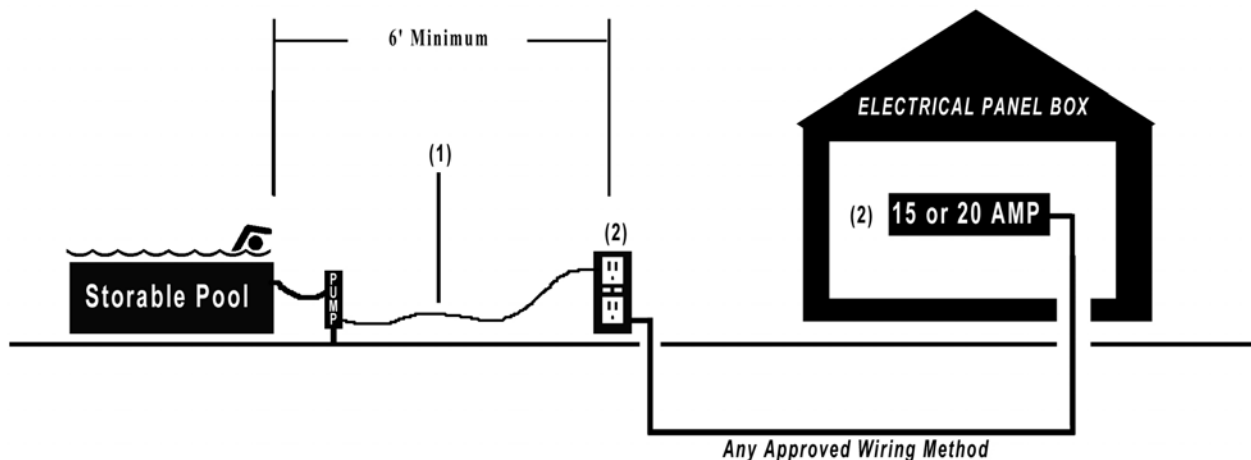
- a. Receptacles cannot be located within 6' of the inside wall of a storable pool.
- b. The receptacle must be grounded, must be Ground Fault Circuit Interrupter (GFCI) protected, and the Tamper Resistant (TR), and Weather Resistant (WR) type receptacle.
- c. Receptacle must have an In-use, extra-duty weatherproof cover that can be closed when the cord is plugged in.
- d. An Automatic Timer (Time Switch) must be installed on storable swimming pool pumps.

### 3) Luminaries (lights) for Storable Pools (if used)

- a. Luminaries cannot have exposed metal parts and must be listed for the purpose.
- b. Luminaries 15 Volts or less must:
  - i. Have a luminaire lamp that operates at 15 volts or less
  - ii. Have an impact-resistant polymeric lens, luminaire body, and a transformer enclosure
  - iii. Have a transformer listed for swimming pools with a primary rating not over 150 volts
- c. Luminaries Over 15 Volts but not over 150 volts must:
  - i. Have an impact-resistant polymeric lens and luminaire body
  - ii. Have Ground Fault Circuit Interrupter (GFCI) protection.

### 4) Other

- a. Building Permits are required. Secure a Building Permit from your municipality prior to beginning work.
- b. Pool Alarms may be required. (Check with your local Building Department for additional information.)
- c. All receptacles located within 20' of the inside walls of a storable pool wall must be GFCI protected.



PLEASE CONTACT YOUR LOCAL INSPECTOR IF YOU HAVE ANY QUESTIONS  
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