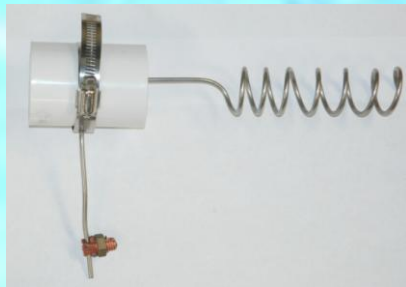


**Calculation for  
*Meeting NEC2008 680.26(C)®*  
with  
CMI's Patent Pending  
WaterBond150™, WaterBond200™, WaterBondAG™**



Pursuant to section 680.26(C) of the 2008 National Electrical Code®, there must be an intentional bond to the water from the rest of the bonded system of the pool, such as the bonding grid under the deck, equipment, electrical panel, metal handrails and all other metal objects within 5' of the water. The bond must provide at least 9 square inches of surface to the water.

CMI's WaterBond™ fittings provide that minimum of 9 Square Inches of surface area of contact. There is a 3/32" diameter Stainless Steel rod, a minimum of 32" of length in contact with the water.

**CALCULATION**

Surface Area =

$$\begin{aligned} \text{pi} & \quad \times \quad \text{Dia.} \quad \times \quad \text{length} = \\ 3.1416 & \quad \times \quad (3/32) \quad \times \quad (32) = \\ \mathbf{9.42} & \quad \text{square inches of surface area} \end{aligned}$$

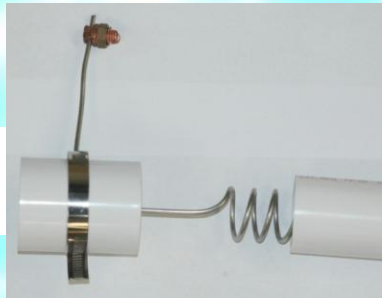
**Patent Pending**

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Equipbond is a registered trademark of Consolidated Manufacturing International, Raleigh, NC

**Begin the normal plumbing installation of the water pipe from the pool to the filter, except install the WaterBond™ fitting between the pool and the filter, or anywhere in the plumbing line.**



Pool to  
WaterBond fitting



WaterBond  
fitting to filter



**Step 1)** Between the pool and the filter, glue in the WaterBond fitting as you would normally install a coupling. However, the fitting can be installed anywhere in the line. NOTE: it is recommended that you point the metal coil away from the pool and in the direction of the water flow.

**Step 2)** Connect a #8 bond wire to the tail, and run the bond wire back to the pump or other connection point on the bonding system of the pool. A #8 Split Bolt is supplied and attached to the tail ready to accept your bond wire.

The WaterBond™ fitting is a Schedule 40 Pipe Fitting, that has a piece of metal (Stainless Steel) installed, which will put over 9 square inches of metallic surface contact with the water. This complies with article 680.26(C) of the National Electrical Code. Once the fitting has been glued into the pipe, simply connect a #8 bond wire to the tail, and run the bond wire back to the pump or other connection point on the bonding system of the pool.

#### Patent Pending

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