

# Auto Bilge Pump Installation Instructions

**Step 4:** Connect a 3/4 "ID pipe to the outlet nozzle, and clamp them by a stainless steel clamp. Recommend using the standard tubes, because they will not tie off by suddenly bending. If using a pipe with smaller diameter, it will not damage the pump, but will reduce the pump's flow.

## Step 5: Wire

In order to prevent ruin or corrosion of the wire, it is important to fasten the ends of the wire and the terminals by insulators or plastic belts at the highest horizontal position as possible.

When installing the pump, # 18 wire is suggested, If too small wire is used, it will cause overheating inside, reducing the pressure and affecting the performances of the pump.

## NOTE:

1. Make sure the hull thickness is at least 1/2" thick. If not, place a block of 1/2" marine plywood (slightly larger than the pump base) in the lowest part of the bilge. Be sure that the pump cover can be removed for cleaning in this position. Glue the plywood to the hull with a waterproof adhesive (epoxy, silicone adhesive, or fiberglass resin). See figure 1.

**Figure 1**

