

## 1.0 SYSTEM DESIGN CONSIDERATIONS

### Kit Includes

2 Barb fittings for 3/8" tube and 1/4" NPT

1 Clear 3/8" tubing - 3' long

1 Tubing insulation - 3' long

1 Weir for the Transition Fitting

### Tools Needed

Drill tap or 7/16" drill bit & 1/4" - 14" NPT tap

Portable drill with 3/8" minimum chuck

Adjustable wrench

Gorilla PVC Cement or other ASTM D2235-approved solvent cements and ASTM F656-approved primers (if using a primer)

### Install

1. If you will be installing the optional transition fitting, install it now; insert the weir (Figure 1) into the transition fitting as shown in Figure 2. Apply some cement to the bottom of the weir prior to installing.
2. Referring to Figure 3 below right, drill and tap a 1/4"-18 NPT hole using drill tap into the 4" Transition Fitting. Install the transition fitting above the fan (see Figure 2).
3. Install the tube fitting into this hole. Apply some PVC cement to the threads of the barbed fitting to ensure a good seal.
4. Perform the same drill / tap / fitting procedure on the inlet pipe below the fan as shown (Figure 2). The fitting must be less than 36 inches from the fitting above the fan.
5. Install the supplied tubing and insulation onto each barbed fitting.
6. Cut the tubing to the shortest length practical. Try to route the tubing as straight as possible and avoid any kinks.

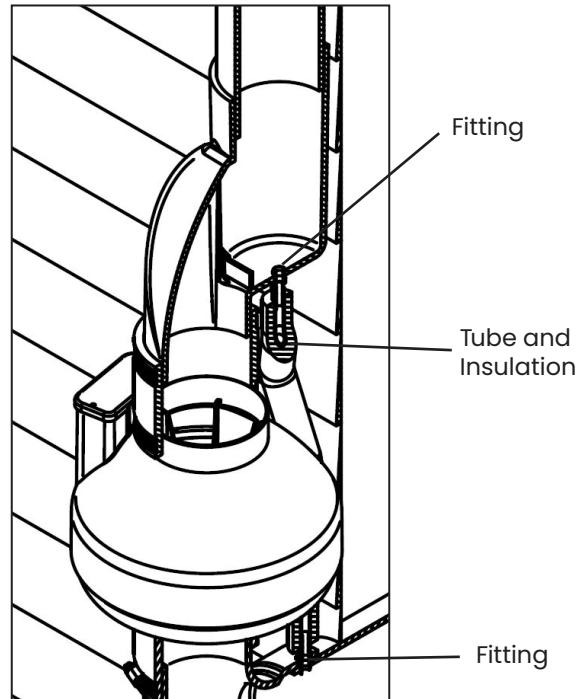


Figure 2:  
Cutaway View

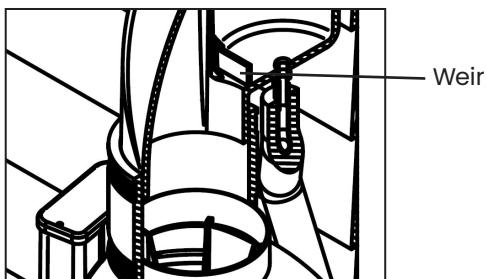


Figure 1:  
Cutaway View

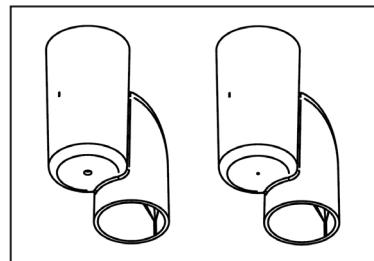


Figure 3:  
Tapped and Untapped Holes