Construction Dome

ASSEMBLY & INSTALLATION | Eight steps with included reference sheets

Online instructions

1 Build the airlock frame



Completed PVC airlock frame.

Assemble the complete PVC airlock frame as instructed.

Follow the diagrams and documentation provided with your kit.

⚠ **Assembly drawing and parts list: page 5.**

2 Lay out the dome



Dome spread over the pool and work area.

Spread the Construction Dome over the work area.

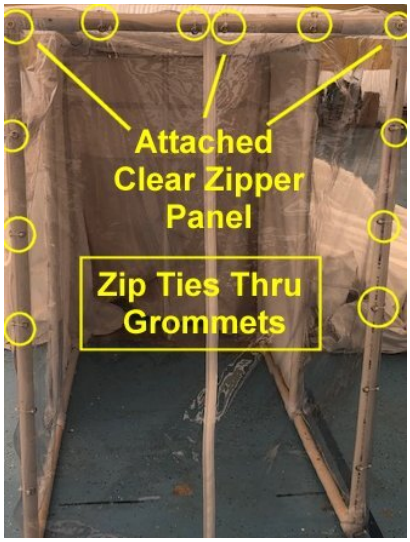
Drape the dome over the pool and the surrounding deck where you will be working.

Included references Airlock frame: page 5 | Blowers, snorkel tubes & straps: page 6

Attach the airlock

STEPS 3-4 | Door panels, base and dome shroud

3 Fit the panels and mount the frame



Airlock frame mounted on the plywood base.

Attach the airlock panels and mount the frame.

Zip-tie the zipper entry and exit panels to each end of the airlock frame. Three panels are included; one is a spare.

Mount the completed frame onto your 4' x 8' plywood base and position it on the pool deck.

4 Position and secure the airlock



Dome shroud attached to the airlock frame.

Slide the PVC airlock frame into position.

Secure the dome shroud to the frame with zip ties once it is aligned.

Place & secure the ballast

STEPS 5-6 | Ballast bags, flap and grommets

5 Fill and position the ballast bags



Ballast placed on the flap along the dome edge.

Prepare and place the ballast bags.

Fill the water or sand bags approximately 25% to 35% full and arrange them around the outside of the dome.

Set each bag on the flap between the inner and outer sets of grommets.

6 Lace the ballast to the dome



Rope for lacing through the dome grommets.

Secure the ballast to the dome wall.

Use rope to weave the ballast to the wall at the base of the dome, threading in and out of the grommets.

Set up airflow & inflate

STEPS 7-8 | Duct supports, snorkel tubes and blowers

7 Build a support for each blower



Wooden support for the snorkel tube.

Construct an air flow duct support.

Build the support shown to prop up the dome wall above the snorkel tube. Each blower will require one of these supports.

⚠ **Blower reference photos: page 6.**

8 Inflate the dome



Inflated Construction Dome with airlock entrance.

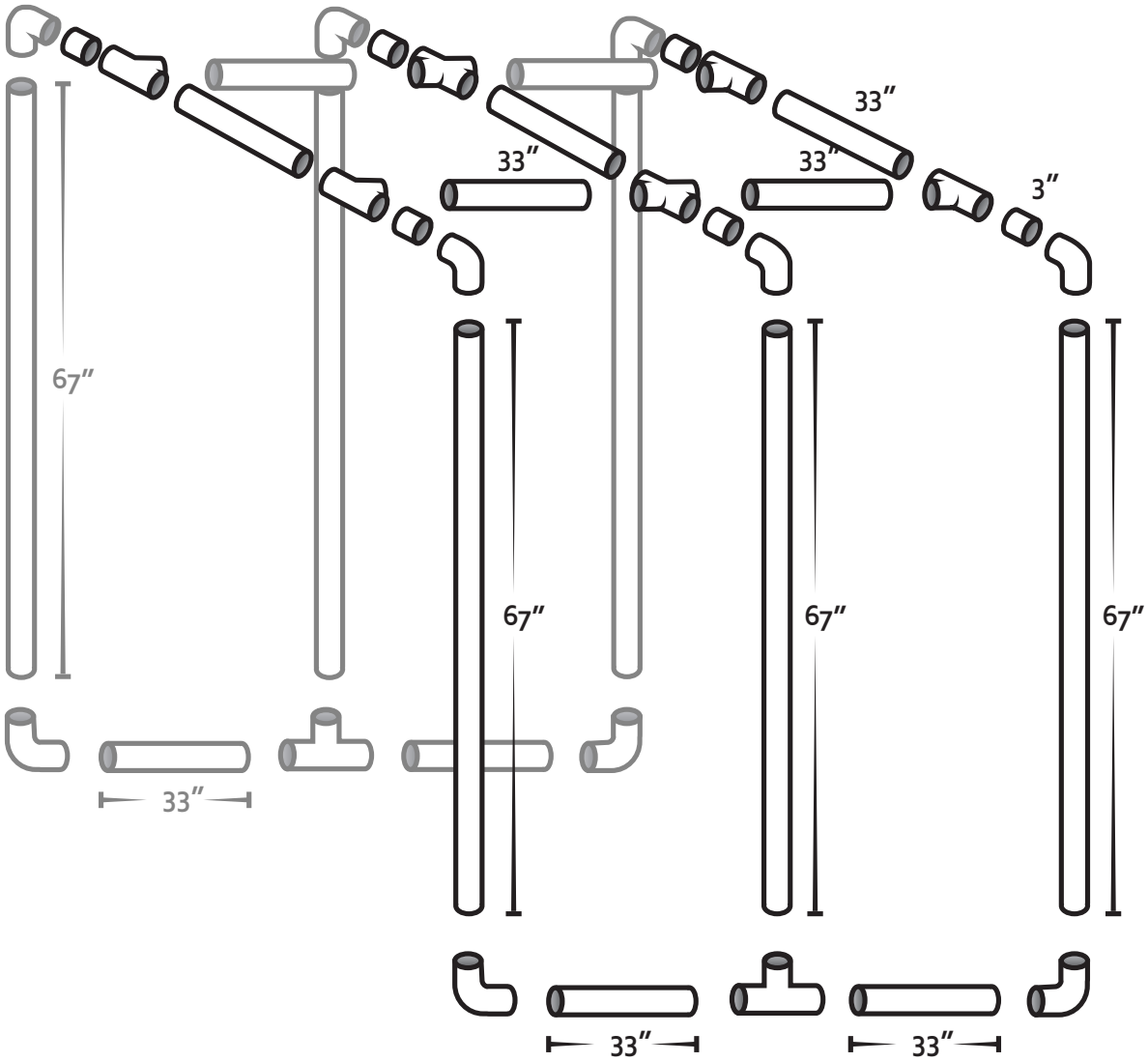
Inflate the dome.

Turn on the blower or blowers to raise the structure and finish the installation.

Keep this guide for future installations. For help with your construction dome, call 800-982-6966.

Airlock frame assembly

STEP 1 REFERENCE | 1-1/2 inch diameter PVC, Schedule 40 or 80



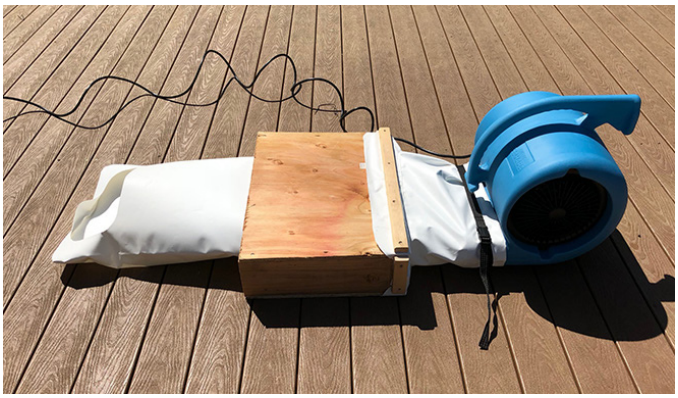
QUANTITY	PVC PART
6	3-inch straight pieces
11	33-inch straight pieces
6	67-inch straight pieces
10	90-degree elbows
6	Tees
2	Four-way crosses

Blowers, snorkel tubes & straps

STEPS 7-8 REFERENCE | Two air-inflation blowers with snorkel tubes and buckle straps



Blower, snorkel tube and wooden support.



Side view of the blower and snorkel assembly.



Buckle strap at the blower and snorkel connection.

Each blower requires a support to prop up the dome wall above the snorkel tube. See step 7 on page 4.