

Tools required

Electric or battery drill --- 3 1/2" Hole saw - 1/2" auger bit 8" long --- 6" or larger skill saw -- 1 1/4" drill bit

hammer ---- 2 adjustable wrenches ---- PVC cutter up to 1" Marking pen ---- Tape measure

I have built 18 foot systems which are the 100 plant and 28 foot systems which are the 200 plant system.

The parts list is for the 100 plant system, to build the 200 plant system double the items highlighted in red.

Quantity	Item discription
1	IBC Tote food grade 275 gallon used for both the fish tank and the nursery See note on page two
6	4" PVC 10 foot pipe
12	4" End caps
4	1" PVC 10 foot pipe
2	3/4" PVC 10 foot
1	1" PVC inline flow through valve
3	3/4" PVC inline flow through valves
2	1" T coupling
1	1" to 3/4 reducing T
2	1" to 3/4" 90 degree reducer
18	1" 90 degree coupling
8	3/4" 90 degree couplings
2	3/4" T couplings
1	Submersable pump 1000 GPH
1	Pond filter 2 Gallon capped

Lumber needed

You will want to use a lumber that will hold up around weather and water.
I have used pressure treated lumber and cedar which I sealed with linseed oil.

- 6** **2" X 6" X 10 foot board**
- 4** **4" X 4" posts 8 foot for legs**
- 2** **2" X 4" X 10 foot**

- 16** **7" X 3/8" stove bolts with washers and nuts**
- 3** **2' X 10 foot Plastic foof material for top of table**

Most of the materials can be purchased at Home Depot or Lowes or any large hardware store.
You don't have to have these exact parts, we can make adjustments and use what is available.

NOTE; About the IBC tote;

If you go to google type in IBC totes and your city you will most likely find someone selling them,
They range any where from \$ 80.00 to \$ 120.00 here in Austin, Tx.