

1. **Verti-Gro** pot (7-10 pots high)
2. Collection and drainage container (with 13/16" hole) (Use a Speedbore drill if not pre-drilled)
(**Note:** Other drainage and collection containers or pots may be used as long as it fills the requirements for your system) For outdoor or non-re-circulating systems the collection pan may not be required.
3. PVC tee centering and riser assembly (The 3/4" PVC tee is ground off smoothly on the bottom and 3 pieces of 3/4" x 5 1/4" PVC pipe are cut to fit. Insert PVC pipe into tee snugly. Check to see that the assembly fits into the drain pan)
Note: Some drain pans do not require ground down PVC Tees. The 3 pieces of PVC pipe must be adjusted to the width of the drain pan. The riser pipe length is a matter of choice.
4. Swivel plate (3.25" x 3.25" x 1/4" HDPE) with hole for 1/2" conduit
(Outside systems use 1 1/8" hole for 3/4" conduit or 1" steel pipe)
5. 1.5" or 1.25" schedule 40 PVC pipe (drill 1" hole every 36" or for spacing desired)
Use a Forstner bit.
Note: The greenhouse must slope so that proper drainage can occur
6. 2" x 8" x 8" styrofoam or wood and must be at least as high as the PVC pipe for proper drainage.
A piece of 4-6" thin wall PVC drainage pipe cut to 2.25" can also be used to support the drain pan.
7. 3/4" PVC thin wall pipe x 6' 0" to 6' 8" (for up to 9 pots high)
8. 3/4" PVC riser (included with PVC tee assembly in #3 above)
9. Part of PVC centering assembly
10. Drainage nipple (insert nipple in hole in drain pan and set on 1" hole in 1.25" or 1.5" PVC pipe)
11. 1/2" EMT conduit (cut from 10" piece to be just a few inches above plant support wire or pipe)
Connect with removable pipe clamp or wire tie.
(You want to be able to hold the stack in place securely, but make it easy to take down at a later date)

12. 3/4" Class 160 PVC pipe over 1/2" EMT electrical conduit (for easy rotation of the entire stack)
13. For attaching 1/2" EMT vertical pipe to 1/2" or 3/4" horizontal pipe use an electrical 2 hole clamp but only put a #10 x 3/4" Tek screw in one side. This allows you to hold the vertical pipe in place and remove it easily by just spreading the clamp slightly. For tying the vertical pipe to a wire support use #10 solid copper wire or equivalent. Twist the wire in a wire-tie fashion so that it does not slip, but can be easily removed at a later date if you should want to remove the pots. The stack must stay vertical and not lean. Cross tying the wires in a web type fashion is important when no pipe is used in the horizontal plant support.

Note 1: No.14 is wire or pipe for irrigation line
(black poly pipe or gray PVC electrical pipe is normally used)
Tie to wire or pipe with black electrical wire ties to avoid sagging.

Note 2: No.15 Place the emitters in the top pots (for most crops).
For strawberries it may be desirable to put the second emitter in the fifth pot from the bottom.
Use punching tool or 1/8" drill bit.

Note 3: The rotating stack system is being constantly improved.
Please call for updated instructions.