

HOW TO EFFICIENTLY SET UP AND USE THE VERTI-GRO SYSTEM

There are many ways to use the **Verti-Gro** System indoors and outdoors. The warranty on the pots is only valid if the system is installed according to **Verti-Gro** recommendations, if the swivel plates and the right type of growing media are used.

1. The standard outdoor system is 5 pots on a 5' piece of ¾" conduit over a 20" piece of ½" conduit. This makes a strong tower that will withstand high winds. This is a drip system for outdoor use. These towers require two 1" swivel plates for ¾" conduit. The towers may also be used with fewer pots.
2. The indoor drip system uses higher towers but the pipe is still driven into the ground just as the standard outdoor system if there is a sand, dirt or gravel floor. The towers may be higher indoors because there is not a risk from high winds. The high tower is installed with a ¾" x 18" extension. This allows for up to 7 pots on a tower for strawberries, lettuce, spinach, greens, etc... It is also the standard high tower 2-3 pots per tower system for tomatoes. This extension can be used to convert low towers to high towers easily and quickly. This system is normally used under shade, but may be used outside under certain conditions. These towers require two 1" swivel plates for the ¾" conduit. For installations of 200 or more towers special pre-cut pipe (¾" x 80") can be supplied direct from our steel supplier.
3. The indoor re-circulating system or collection system is a high tower with the 1-gallon DPVG-1 collection container. This collection bucket has a nipple on the bottom to slip into a standard ¾" PVC slip Tee. Gluing is not required. These towers can be up to 10 pots or higher but are normally 7-9 pots high. A support pipe overhead is needed. The pipe for the pots is ½" conduit with a ¾" PVC sleeve. The DPVG-1 collection bucket has to be inserted into a ¾" PVC tee which is connected to PVC pipe for drainage and support. If a concrete floor exists this is the only recommended method of installation. The nutrient may be collected or drained outside. In some cases it may be re-used but an understanding of disease spread is essential. These towers require one ¾" swivel plate for ½" conduit.
4. The outdoor collection system must have a support pipe that is anchored into the ground or to a shade house frame. The support pipe is normally 6'6" allowing for towers with a maximum of 7 pots. The DPVG-1 collection container must be used with a ¾" swivel plate. This system is more clearly defined when an outdoor system is used and no waste water is allowed to drain into the soil or water conservation is an issue or a desire.

NOTE: The above systems are outlined in the **Verti-Gro** installation manuals and the warranty may be voided if one of the above procedures is not used. Any modifications of these procedures must be approved by **Verti-Gro** to establish the validity of the warranty. These recommended procedures have been tested for many years and have been developed to insure tower integrity and safety.