

## DRIP TUBING END-CLOSURE INSTRUCTIONS

1. Cut a 1” piece of tubing off of the end of each row. This will act as a closure band to seal off the ends.
2. Fold back the end of each open tube twice and slip the 1” band over the folds so that when the system is pressurized the band will seal the tubing.
3. Turn the water on and inspect the tubing to make sure no kinks are present. If any kinks exist, simply pull the tubing from the end to remove them.

## **OPERATING INSTRUCTIONS**

Operating the “Irri-Gator” system is easy. Simply hook your garden hose to the hose swivel assembly and turn on the water.

### Irrigation Cycle Duration

The duration of each irrigation cycle is dependent upon your particular soil type. Some experimentation may be necessary.

*Heavy clay soils: 4-6 Hours Light sandy soils: 6-8 Hours*

The determining factor is the noticeable wetted areas on the surface of the soil at each orifice, which develops and widens during an irrigation cycle.

Irrigation should continue until these wetted areas form a solid wetted strip down the entire length of the tubing, penetrating downward through the plant’s root zone.

### Irrigation Cycle Frequency

The frequency of irrigation applications will vary with the water-holding capacity of your soil along with the supplemental rainfall which may have occurred since the last irrigation cycle. In general, an irrigation application should be performed at least every fourth day if no supplemental rainfall has occurred.

### System Capacities

Drip Tubing Output: 0.04 GPM per 100’

Maximum Single Row Length: 400’

Maximum Operating Pressure: 15 PSI

(A 15 PSI regulator is included with each kit.)

Minimum Operating Pressure: 6 PSI

### Storage of Drip Tubing

It is best to roll up your drip tubing at the end of each growing season if you plan to use it the following year.

Do not fold the drip tubing when storing. This may cause a crease in the product which could split when water pressure is applied the following year.

## IRRI-GATOR Accessories & Components

	G-00149	50’ Roll Distribution Tubing (No Orifices)
	G-00150	100’ Roll Drip Tubing (12” Spacing)
	G-00152	Perma-Loc Tee
	G-00153	Perma-Loc Elbow
	G-00154	Perma-Loc Coupling
	G-00155	3/4” Hose-End Tee Filter
	G-00157	Regulator/Screen Assembly (Included in GATOR-100 & GATOR-250 Kits)
	G-00158	Preset Pressure Regulator
	G-00159	Perma-Loc x Hose Swivel
	G-00160	Perma-Loc Tee x Hose Swivel
	G-00165	Perma-Loc In-Line Valve
	G-00166	Reg/Tee Screen Assembly (Included in GATOR-1000 Kit)
GATOR-FP1		Fittings Pack: 2 Tees, 1 Elbow, 1 Coupling

### Triple K Irrigation currently offers the following kits:

Gator-100 Kit

Gator-250 Kit

Gator-1000 Kit

Gator-2000 Kit (Commercial)



## **TRIPLE K IRRIGATION**

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# **IRRI-GATOR GARDEN KIT**

## *Operation and Installation Instructions*

How To Use

Drip & Distribution Tubing

The following instructions are provided to give you important and useful information about the use of Irri-Gator tubing. Be sure to read before using this product.

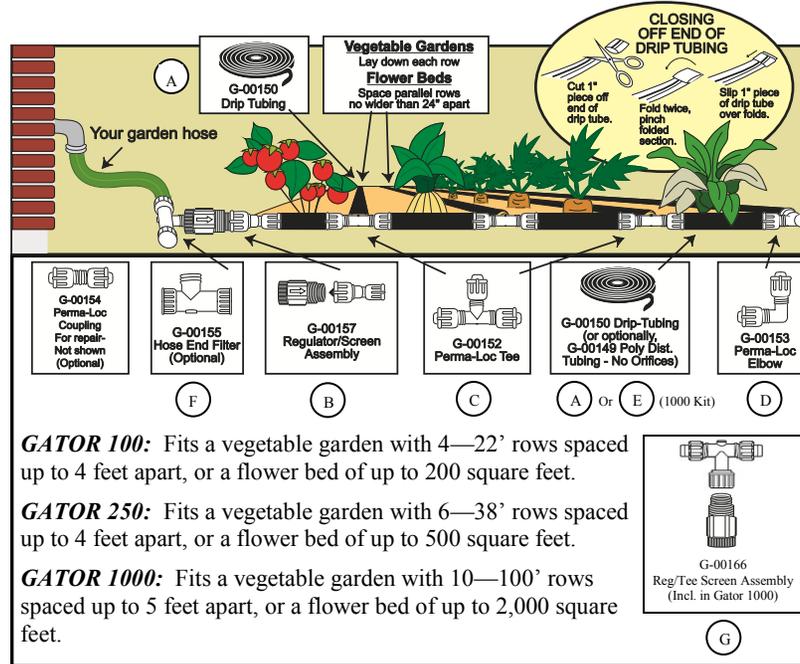
1. The water being utilized to irrigate must be clean. The “Irri-Gator” kits include a filter to catch most particles which might clog the orifices.
2. Periodic flushing of the system is required to reduce the chance of clogging and ensure more uniform water distribution (see installation instructions #6 on the following page).
3. If fertilizers are injected through the system, only water soluble fertilizers can be used. After fertilizing, the tubing must be flushed thoroughly to remove any residual fertilizers.
4. If insects, rodents or pests are present, controls must be implemented to avoid damage to tubing.
5. For tubing to operate properly, the system must be installed correctly. Avoid cuts, kinks, abrasions and stretching.
6. If the tubing is to be buried, pressurize the system immediately after installation to avoid compaction and to determine if any damage occurred during the installation. Root intrusion can occur in buried tubing with inadequate irrigation.
7. Recommended operating pressures:  
Max—15 PSI; Min—6 PSI; The maximum PSI is controlled by the regulator included in the system. However, we do not recommend overworking the pressure regulator. If your system is leaking at the joints, check your connections and/or reduce your pressure from the spigot by closing the valve, as needed.



# Installation Instructions For Irri-Gator Garden Kits

## FOR GATOR-100 & GATOR-250

- Lay out drip tubing (A) along entire length of each garden row (orifices up) keeping it as close to the plant stem or seed planting as possible. In a flower bed area where complete saturation of the bed is desirable, lay out drip tubing (A) in parallel rows 18" to 24" apart, forming a grid of drip irrigation orifices throughout bed. Cut tubing to accommodate the length of each row making sure that at least one orifice is beyond the last plant in the row or flower bed.
- Lay out drip tubing (A) along one end of the garden as shown. This will be referred to as the system header in the remaining instructions.
- Install regulator/screen assembly (B) to one end of the header by rotating the Perma-Loc cap back toward the regulator exposing the barb. Install system header onto the barb and rotate the Perma-Loc cap back to lock the tubing onto the fitting.
- Cut the header at the intersection of each row to allow for the installation of each Perma-Loc tee (C) and the Perma-Loc elbow (D) at the opposite end of the header.
- Connect the Perma-Loc tees and elbow to the header and then to each row in the same manner as described in Step 3.
- When all rows are connected to the system header, connect your garden hose to the regulator inlet and turn the water on to flush any dirt or debris which may have accumulated in the tubing during the installation. Debris will flush out the ends of each row of the tubing. Continue this flushing process until the water discharging from the tubing is clean and clear. Now turn the water off and follow the drip tubing end-closure instructions.



## FOR GATOR-1000

- Lay out drip tubing (A) along entire length of each garden row (orifices up) keeping it as close to the plant stem or seed planting as possible. In a flower bed area where complete saturation of the bed is desirable, lay out drip tubing (A) in parallel rows 18" to 24" apart, forming a grid of drip irrigation orifices throughout bed. Cut tubing to accommodate the length of each row making sure that at least one orifice is beyond the last plant in the row or flower bed.
- Lay out distribution tubing (E) along one end of the garden as shown. This will be referred to as the system header in the remaining instructions.
- Install regulator/tee screen assembly (G) to one end of the header by rotating the Perma-Loc cap back toward the regulator exposing the barb. Install system header onto the barb and rotate the Perma-Loc cap back to lock the tubing onto the fitting.
- Cut the header at the intersection of each row to allow for the installation of each Perma-Loc tee (C) and the Perma-Loc elbow (D) at the opposite end of the header.
- Connect the Perma-Loc tees and elbow to the header and then to each row in the same manner as described in Step 3.
- When all rows are connected to the system header, connect your garden hose to the regulator inlet and turn the water on to flush any dirt or debris which may have accumulated in the tubing during the installation. Debris will flush out the ends of each row of the tubing. Continue this flushing process until the water discharging from the tubing is clean and clear. Now turn the water off and follow the drip tubing end-closure instructions.

### Irri-Gator Garden Kits Contain:

Part #	Description	Gator 100	Gator 250	Gator 1000
G-00150	Drip Tubing	100'	250'	-
G-00170	1000' Roll Drip Tubing	-	-	1
G-00149	50' Roll Distrib Tubing	-	-	1
G-00152	Perma-Loc Tee	3	5	8
G-00153	Perma-Loc Elbow	1	1	2
G-00154	Perma-Loc Coupling	-	1	2
G-00157	Reg/Screen Assembly	1	1	-
G-00166	Reg/Tee Screen Assembly	-	-	1
Instruction Sheet				