

OPERATING INSTRUCTIONS

Irrigation Cycle Duration & Frequency

The duration of each irrigation cycle is dependent upon your particular soil type. 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. Some experimentation may be necessary. 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. 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 other day if no supplemental rainfall has occurred.

Pressure Requirements

System pressure capacity may vary from 30-40 PSI. If your system has a tendency to leak at the connections, this is typically due to high pressure. There are two options to eliminate this leakage. First, you may want to turn your water supply valve down half way to lower the pressure. Or you may choose to purchase our 3/4" Preset Pressure Regulator-30 PSI (L-00142) from our on-line store. This system is pressure compensating which will provide even water distribution to all orifices. Keep in mind when you are operating a system at high pressure, your application rate will increase therefore possibly requiring you to adjust the duration of your irrigation cycle.

System Capacities

1/2" Supply Tubing - Mainline:

Maximum Flow Rate: 4 GPM

Maximum Single Row Length: 300'

1/4" Supply Tubing - Mainline:

Maximum Single Row Length: 10'

Maximum Operating Pressure: 40 PSI

1/4" Dripper Line:

Emitter Flow Rate at 15 PSI: .5 GPH

























Maximum Single Row Length: 33'

(Note: Maximum of twelve 33' lengths of 1/4"

Dripper Line per 1/2" Supply Tubing—Mainline)

Pressure Requirements: Maximum 40 PSI @ Filter (Dripper line and emitters are pressure compensating)

IRRI-GATOR Accessories & Components

	L-00120	1/2" Supply Tubing—100' Roll-No Orifices	\$ 17.50
	L-00121	1/2" Supply Tubing—500' Roll-No Orifices	\$ 85.00
	L-00123	1/2" Dripper Line - 100' Roll—(12" Spacing—.52 ID)	\$ 43.50
	L-00124	1/2" Dripper Line - 500' Roll—(12" Spacing—.52 ID)	\$205.00
	L-00125	1/4" Dripper Line - 100' Roll—(12" Spacing)	\$ 22.25
	L-00126	1/4" Dripper Line - 500' Roll—(12" Spacing)	\$105.00
	L-00127	1/4" Distrib Tubing—100' Roll—No Orifices	\$ 10.50
	L-00130	3/4" Coupling—Threaded	\$ 0.90
	L-00131	1/2" Insert Tee—.52 ID	\$ 0.50
	L-00132	1/2" Insert Elbow—.52 ID	\$ 0.50
	L-00133	1/2" Insert Coupler—.52 ID	\$ 0.35
	L-00134	1/2" Insert In-Line Valve—.52 ID	\$ 3.15
	L-00135	1/2" Insert (.52 ID) x 3/4" MPT	\$ 0.60
	L-00136	1/4" Barb Connector	\$ 0.15
	L-00137	1/4" Barb Tee	\$ 0.17
	L-00138	1/4" Barb Plug	\$ 0.07
	L-00140	Figure Eight End Closure	\$ 0.20
	L-00141	.5 GPH Emitter	\$ 0.50
	L-00142	3/4" Preset Pressure Regulator—30PSI	\$ 10.00
	L-00143	Backflow Preventer	\$ 2.65
	L-00151	1/4" Punch Tool Assembly	\$ 18.50
	L-00152	1/4" Quick Punch Tool	\$ 2.05
	G-00172	3/4" Hose Swivel	\$ 3.25
	G-00173	3/4" Filter	\$ 12.25

Prices are effective March 2011 and subject to change without notice.



TRIPLE K IRRIGATION

Mailing Address: 12930 Ingall Highway
Morenci, MI 49256

Phone: 517-458-9741
FAX: 517-458-6541
www.GardensGrownRight.com



LANDSCAPE IRRI-GATOR KIT

The Landscape Irri-Gator Kit is easy to install!

The "Landscape Irri-Gator" Micro Irrigation Kit is designed to meet your needs and includes all the essential micro components needed to install a drip irrigation system for your landscape area.

The "Landscape Irri-Gator" Micro Irrigation System is comprised of two 100' rolls of 1/2" micro tubing, one 100' roll of 1/4" distribution tubing and one 100' roll of 1/4" dripper tubing. The following fittings are also included in the kit: insert tees, elbows, couplers, in-line valves and enclosures. Also included are a filter, emitters, a punch tool and all other necessary connectors to complete the system.

This landscape kit represents the latest advances in Micro Irrigation Technology. Everything in the box is guaranteed to be compatible with each other. If you choose to add to this kit, there should be no problems as long as you use genuine Irri-Gator components.

These kits are loved by our landscaping customers because of their quality, ease of use, flexibility and will last many years.

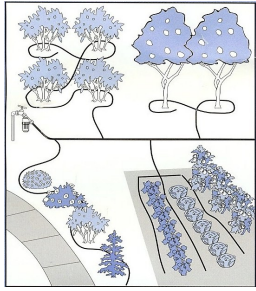
"Landscape Irri-Gator" Benefits Are Clear:

- May be fully automated with any battery-operated hose-end timer
- Designed to be hidden under ground cover so it will not be noticeable
- Eliminates iron stain on your house siding and plants from sprinklers and spray stakes
- Irrigates efficiently—pressure compensation provides 95% water uniformity
- Conservation friendly—requires low volumes of water which are up to 75% less than a sprinkler
- Saves your costly investment you have made in shrubs and plants
- Premium grade 1/2" and 1/4" tubing
- No spray stakes to be knocked over
- Guaranteed compatibility with "Landscape Irri-Gator" components
- Easy to install micro irrigation kit



Installation Instructions For Landscape Irri-Gator Kit

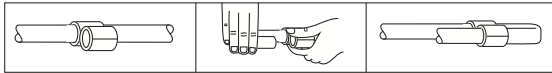
FOR LANDSCAPE-400 KIT



Sample Layout to demonstrate the flexibility of the Landscape Irri-Gator Kit. Please call us for assistance with your custom design.

INITIAL SYSTEM START-UP

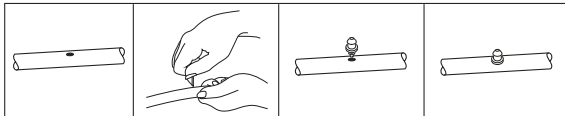
Before turning the system on for the first time, leave all ends open, turn the water on and allow it to run freely for a few minutes. This “flush” will allow the system to remove any dirt or debris that may be in it. Close the end of the 1/2” supply tubing by using a “figure 8” end closure. See the diagram below.



Close the ends of 1/4” dripper line and 1/4” distribution tubing by inserting a 1/4” barb plug in each end. Check to see that the dripper line and additional emitters for the 1/2” supply tubing (if installed) are working properly and that no leakage is occurring.

REPAIRING OR PLUGGING A HOLE ON 1/2” SUPPLY TUBING

If leakage occurs on 1/2” supply tubing at the base of an emitter, remove the emitter and insert a 1/4” barb plug to close the hole. Reinsert the emitter in a different area. See the diagram below.



Landscape Irri-Gator Kit Contains:

Part #	Description	Quantity
L-00120	1/2” Supply Tubing–100’ Roll (No Orifices)	2
L-00125	1/4” Dripper Line–100’ Roll (12” Spacing)	1
L-00127	1/4” Distribution Tubing–100’ Roll (No Orifices)	1
L-00130	3/4” Coupling–Threaded	1
L-00131	1/2” Insert Tee–.52 ID	3
L-00132	1/2” Insert Elbow–.52 ID	3
L-00133	1/2” Insert Coupler–.52 ID	2
L-00134	1/2” Insert In-Line Valve–.52 ID	2
L-00135	1/2” Insert (.52 ID) x 3/4” MPT	1
L-00136	1/4” Barb Connector	50
L-00137	1/4” Barb Tee	10
L-00138	1/4” Barb Plug	30
L-00140	Figure Eight End Closure	4
L-00141	.5 GPH Emitter (Pressure Compensating)	10
L-00152	1/4” Quick Punch Tool	1
G-00172	3/4” Hose Swivel	1
G-00173	3/4” Filter	1
	Instruction Sheet	1

Additional components and accessories are available upon request to allow for complete customization of your landscape area.

FREQUENTLY ASKED QUESTIONS

How large of an area will this kit irrigate?

Every site is different. Plant spacing will be the issue. This kit has 200’ of 1/2” mainline as well as 100’ of 1/4” mainline. This combination will allow you to make varying length runs to your plantings from the 1/2” mainline. In addition, this kit contains 100’ of 1/4” dripper line with 12” spacing. The dripper line can be spurred from either the 1/2” or 1/4” mainline to accommodate your planting configuration. If your layout consists of plantings along the 1/2” mainline, this kit also contains emitters which can be inserted using the punch tool provided at the exact location of your plantings. Please see “System Capacities” for details of system limitations.

What if I don’t have enough components?

Extra components such as drippers, fittings and tubing may be purchased via our on-line store at www.triplek irrigation.com. Please click on the Irri-Gator logo in the left column to begin shopping.

How much water do I need?

As little as 1 gallon per hour is required. If your water supply is minimal, the system can be zoned to meet your individual needs.

What kind of water source do I need?

Well water or municipal water is the best for clean water which lessens the likelihood of the emitters getting plugged with debris. A filter is included in the kit if you choose to use surface water, but you will need to clean this filter on a regular basis.

How long do I irrigate for?

Again, this will vary depending upon your soil type, plant size and weather pattern. As a general rule, we recommend that you irrigate 3 hours every other day. This should supply you with adequate moisture, but you may want to purchase a moisture stick to help determine your moisture level in your soil. This may also be purchased via our on-line store at www.triplek irrigation.com.