



# Underground Irrigation

## 25mm Pop-up Sprinkler System

Color Key

DELIVER - TUBING & FITTINGS

EMITTERS – SPRINKLERS, POP-UPS etc


**ELGO**<sup>TM</sup>

SAVING WATER SINCE 1906

[www.elgo-irrigation.com](http://www.elgo-irrigation.com)


## EMITTERS – SPRINKLERS, POP-UPS etc

Do not mix in one sprinkler line impact sprinklers, gear sprinklers and sprayers. Each type of sprinklers produce different levels of precipitation and by separating the lines according to the sprinkler type, you can water precisely in each lawn section.





**2688**  
Impact pop up sprinkler  
Inlet: 1/2"

12



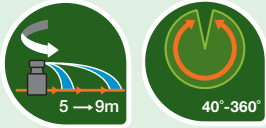
Pop-up height	10cm
Inlet	1/2" female thread
Watering radius	7-12m
Distance between sprinklers	9-16m
Adjustable arc	30°-360°







**SRM**  
Mini gear-drive pop-up sprinkler  
Inlet: 1/2"

25




Pop-up height	10cm
Inlet	1/2" female thread
Watering radius	5-9m
Distance between sprinklers	5-11m
Adjustable arc	40°-360°





**PGP**  
Gear-drive pop-up sprinkler  
Inlet: 3/4"

20



Pop-up height	10cm
Inlet	3/4" female thread
Watering radius	6-11m
Distance between sprinklers	6-15m
Adjustable arc	40°-360°



**TN04-17A**  
Adjustable pop up sprinkler  
Inlet: 1/2"

50



**TN04-15A**  
Adjustable pop up sprinkler  
Inlet: 1/2"

50



**TN04-12A**  
Adjustable pop up sprinkler  
Inlet: 1/2"

50



**TN04-10A**  
Adjustable pop up sprinkler  
Inlet: 1/2"

50



**TN04-8A**  
Adjustable pop up sprinkler  
Inlet: 1/2"

50

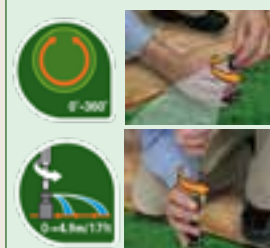
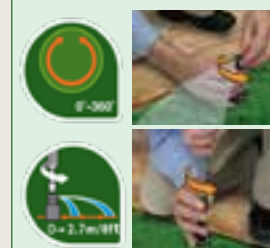
	L/H	Radius Max.
45°	137	2.7m/8ft
90°	275	2.7m/8ft
120°	350	2.7m/8ft
180°	500	2.7m/8ft
270°	675	2.7m/8ft
360°	765	2.7m/8ft

	L/H	Radius Max.
45°	108	4.9m/17ft
90°	239	4.9m/17ft
120°	304	4.9m/17ft
180°	434	4.9m/17ft
270°	586	4.9m/17ft
360°	737	4.9m/17ft


	L/H	Radius Max.
45°	105	4.6m/15ft
90°	235	4.6m/15ft
120°	301	4.6m/15ft
180°	426	4.6m/15ft
270°	575	4.6m/15ft
360°	724	4.6m/15ft

	L/H	Radius Max.
45°	100	4.0m/12ft
90°	222	4.0m/12ft
120°	320	4.0m/12ft
180°	405	4.0m/12ft
270°	547	4.0m/12ft
360°	620	4.0m/12ft

	L/H	Radius Max.
45°	80	3.0m/10ft
90°	180	3.0m/10ft
120°	228	3.0m/10ft
180°	325	3.0m/10ft
270°	440	3.0m/10ft
360°	471	3.0m/10ft




## DELIVER - TUBING & FITTINGS




**T25x1/2M**  
Compress T male thread  
1/2" - 15x21mm

1




**Saddle 25x1/2**  
Saddle  
1/2" - 15x21mm

1



**SJ1/2**  
Swing joint  
1/2" - 15x21mm

1



**EL25x1/2M**  
Compress elbow 90° male thread  
1/2" - 15x21mm

1



**25x25**  
Compress coupling

1




**25x1/2M**  
Compress coupling male thread

1



**25x1/2F**  
Compress coupling female thread  
1/2" - 15x21mm

1




**EL25x25**  
Compress elbow

1



**T25x25x25**  
Compress T - 90°

1



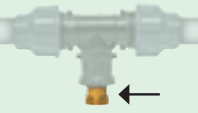
**End 25**  
Compress line end

1



**T25x1/2F**  
Compress T female thread  
1/2" - 15x21mm

1



**Drain Valve 1/2**  
Drain valve

1



**ELgrass 25x1/2F**  
Grass Elbow 25x1/2

1

To protect the system from frost damage, place the drain valve at the lowest point of each sprinkler pipeline.



**PE25x25m**  
PE pipe  
25m

1

ø 25 mm



**PE25x50m**  
PE pipe  
50m

1

ø 25 mm



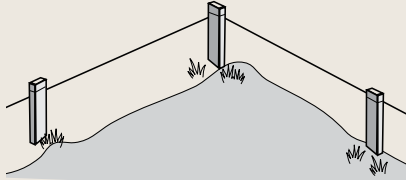


# Sprinkler Systems: Installation and Operating Instructions

## Before starting

1. Check that your watering system plan is suited to the water pressure in your garden water source. (tap or well).
2. Prepare all the required hand tools and accessories for the installation: Spade / Measuring strip / String (or chalk dust) / PE pipe cutter.

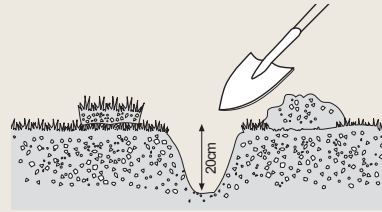
1



## Mark

Place a stake at every sprinkler location. Use string (or chalk dust) to mark path of pipes of each sprinkler line (Fig.1).  
Note: Sprinkler line includes one "Sprinkler System Kit".  
Wetting the soil will make it easier to dig.

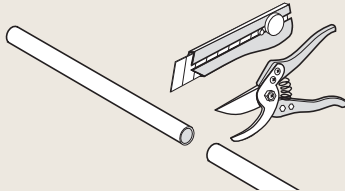
2



## Dig

Dig trenches following the string, use a spade to dig at least 20 cm deep. (Fig 2) (25cm for Gear Sprinklers)  
**Tip:** While digging, place turf on side of the trench and soil on the other, so you can easily return soil and turf.

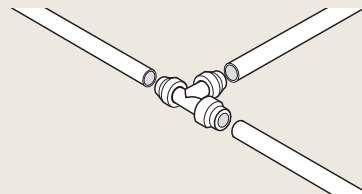
3



## Unroll

Unroll and Cut the PE pipe coil, from the tap to the stakes along the marked path.  
Straighten the pipe properly before cutting it to length.  
Use a cutter or saw to cut the pipe to the correct length. (Fig 3)

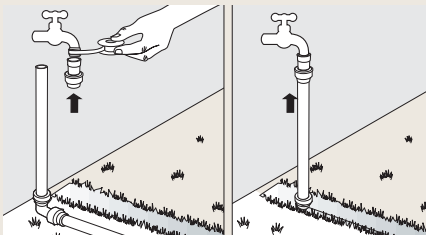
4



## Connect

Connect the fittings according to your lawn layout.  
Make sure you keep soil out of the pipes. (Fig 4)

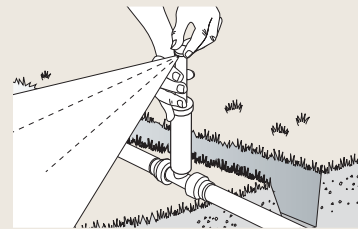
5



## Connect to tap

Connect the pipe to the tap or tap timer. (Fig 5)  
Use Teflon tape to seal the thread. (At least 5 wraps).

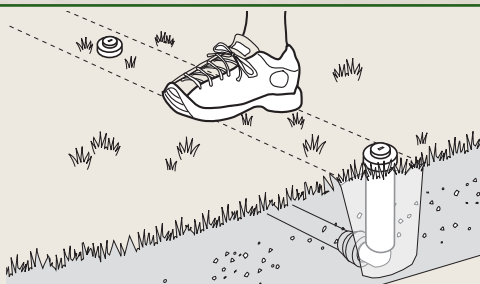
6



## Assemble sprinklers

Screw the sprinklers to the connectors and adjust the watering arc required to achieve perfect coverage of the lawn. (Fig 6)  
You will find setting instruction for the sprinkler on each sprinkler body.

7



## Flush & Test

Manually flush each line by turning on the water, to clear out any dirt that got into the pipes. Fill the trench with soil and the turf and flatten down. (Fig 7)  
**Tip:** Watering the trench and lawn will help the grass grow roots faster.

**Elgo Irrigation Ltd.**

www.elgo.co.il / www.elgo-irrigation.com  
4 Shoham St., P.O.B 3147 Business Industrial Park,  
Caesarea 38900, Israel  
Tel: +972 4 9111444  
Fax: +972 4 6231167