8. Connect drip lines, unroll along the planting beds and cut at the end of each bed. Note that drip lines are laid along contour lines and never down-slope. Emitters should be facing up and never against soil to avoid sucking in particles after each irrigation cycle.

9. Once all driplines are connected, connect water supply, fill tank and flush main pipe and all drip lines to remove any debris. Once this is satisfactorily achieved, replace all plugs.
10. Open the main valve and test the system for uniformity, operating one valve at a time.
11. Periodic maintenance by filter cleaning and flushing driplines at each end plug is vital to avoid sludge and particle accumulation that result in emitter clogging.

DAYLIFF is a brand of **Davis & Shirtliff**
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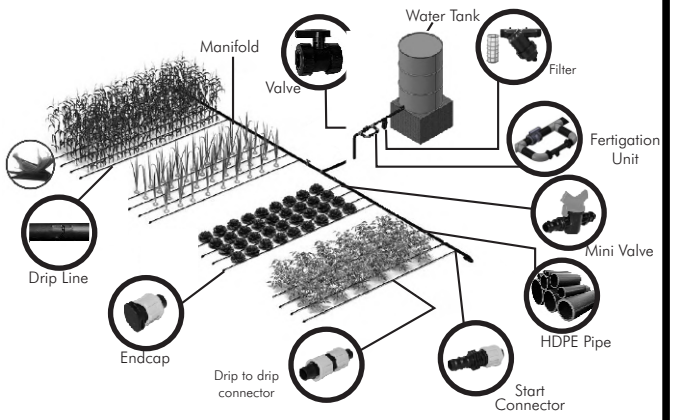
INSXXXA-01/22

DAYLIFF

DRIP IRRIGATION KIT



Installation Guide

Congratulations on selecting Dayliff Drip Irrigation Kits. They are manufactured to the highest standards and if installed correctly will give many years of efficient and trouble free service. Careful reading of this Installation Manual is therefore important, though should there be any queries they should be referred to the equipment supplier.

1 INTRODUCTION

The Dayliff Drip kit is specially designed to accommodate various crop spacing specification and is supplied in a complete package consisting of drip and HDPE pipe fittings, ball valves and the screen filter in a box. Drip rolls and HDPE pipe roll are included separately as loose accompaniments.

Components included in the kit are:

- 16mm Direct start connectors with rubber seal
- 16mm Drip endline with hook
- 16mm Barb/barb connectors
- HDPE Pipe
- 16mm Drip rolls
- Ball valves
- HDPE Male connectors
- HDPE Elbow couplings
- Screen filter
- HDPE End plug
- Thread tape

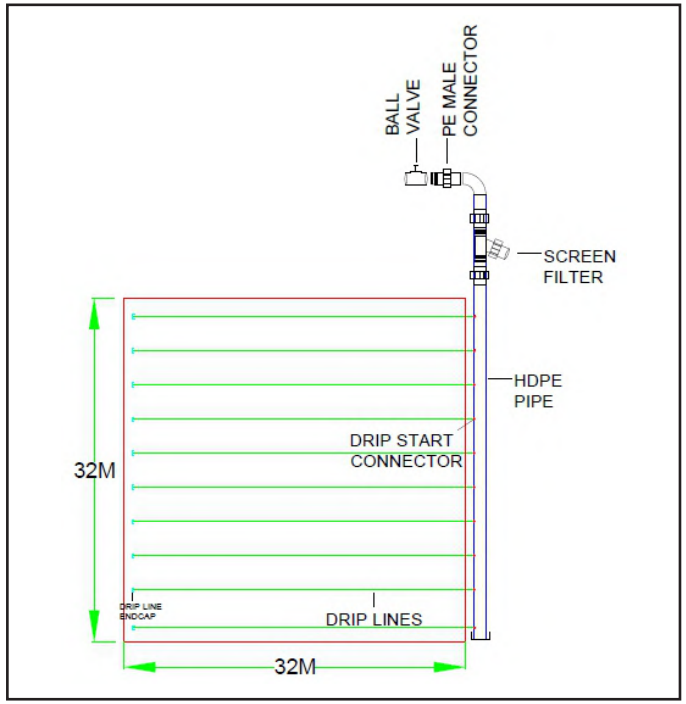
Kit Type	Irrigation Area	Line Spacing	Emitter Spacing	Total Line Length	Water Flow	Suitable Crops
Close Spacing	1000m^2	50cm	20cm	2000m	12m^3/hr	Cabbage, Kale, Onion, Garlic, Spinach, Lettuce
Standard Spacing	1000m^2	100cm	30cm	1000m	4m^3/hr	Tomato, Melon, Capsicum, Cucumber, Potato
Wide Spacing	1500m^2	300cm	100cm	500m	3m^3/hr	Banana, Avocado, Citrus, Trees

Kits are offered in 3 configurations including close spacing (50cm between drip lines), standard (100cm) and wide spacing (300cm). Quantities supplied in one package will vary depending on the specific line spacing for each kit.

Emitter spacing for each kit also varies according to the crop spacing requirement and ranges between 20cm, 30cm or 100cm for the 3 different kits respectively. All kits are offered in modular standard ¼ acre units, expandable to multiples.

2 DESIGN

Layout Drawing



3 INSTALLATION

Installation instructions:

1. An elevated storage tank at 2-6m height is a requirement to be supplied by the client for gravity feed into the drip system.
2. Install the tank outlet valve with necessary sealant to make sure it is leak-proof.
3. Connect HDPE outlet down pipe with necessary fittings (elbows and male connectors).
4. Install the PVC screen filter at a convenient service height above ground, taking note of the direction of flow for correct installation.
5. Lay out the main HDPE supply pipe along the edge of the field and connect to the screen filter at tank base with necessary fittings. Use sufficient thread tape on all threaded joints to prevent leakage.

Screen filter installed 1.0m above ground.

6. At specified intervals for close, standard or wide spacing, make precise holes using a drip punch. All holes along the same pipe should take the same orientation, either left or right.

7. Insert the rubber seal into the hole and connect the offtake start connector, careful not to break the rubber seal.