

# CAPMAT™ II INSTALLATION

Water distribution systems are designed for use with Cap Mat on benches 4 and 6 feet wide and 100 feet long. These systems are supplied in kits designed to simplify the task of evenly distributing water over the capillary mat. The kits are supplied with drip hose and special fittings that require no tools to use. In addition, both kits include a preset 10 psi pressure regulator to guard against the drip hose bursting.

## Contents of kits

### 4 foot distribution kits:

- 1 - 300 foot roll of drip tape
- 1 - 4 foot piece of drip hose to connect header to elbows
- 1 - Loc sleeve header equipped with 3 Loc sleeve fasteners, a female adapter, pressure regulator, and hose inlet adapter (assembled)
- 2 - Loc sleeve elbows
- 6 - Quick Tys

### 6 foot distribution kits:

- 1 - 500 foot roll of drip tape
- 1 - 6 foot piece of drip hose to connecting tees and elbows to loc sleeve header
- 1 - Loc sleeve header as described in 4 foot kit
- 2 - Loc sleeve tees
- 2 - Loc sleeve elbows
- 6 - Quick Tys

## Procedure for set up

**1.** Cut drip hose to the length needed for benches to be watered. Lay them in place over the Cap Mat following the diagram (figure 1) shown below. Plan to leave some room at the head of the bench to accommodate the Loc Sleeve Header.

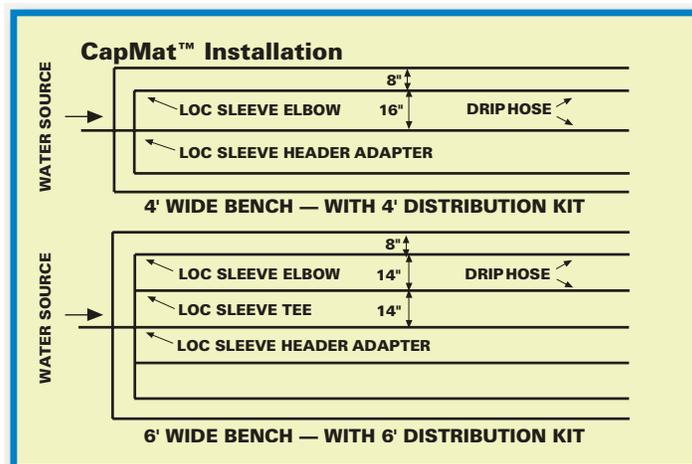


Figure 1

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**2.** From the short length of tube provided (4' or 6'), cut length needed to connect the Loc Sleeve Header to the Tees (figure 2) and elbows (figure 3). For a 4' installation cut 2 pieces 12 inches long. For a 6' installation cut 2 pieces at 10<sup>1</sup>/<sub>4</sub> inches to connect Loc Sleeve Header to the Tees, and 2 pieces 11<sup>1</sup>/<sub>2</sub> inches to connect tees and elbows. These lengths will result in specified spacing of drip hose lines (figure 1).



Figure 2  
Loc Sleeve Tee



Figure 3  
Loc Sleeve Elbow

**3.** After checking the distance between the Loc Sleeve fitting, connect the long drip lines to tees, elbows and header. Make sure that drip tape connections are evenly and securely attached to the Loc Sleeve fittings.

The head assembly consists of 3 Loc sleeve adapters, a cross, a female pvc adapter, a preset pressure regulator set at 10 psi, and an adapter to 3/4" hose thread. This comes pre-assembled and ready to hook up to the drip tape and the water source.



Pressure  
Regulator



Head  
Assembly

**4.** To guard against the clogging of ports in the drip tape, the use of a 120 to 150 mesh filter is recommended. (sold separately)

**5.** The end of the drip tape lines may be closed by making two 2 inch folds at the end. The is held in place by slipping the fold into a 2 inch length of drip tape. See the diagram below.

Drip Hose



THE FIRST FOLD



THE SECOND FOLD



SLIP DRIP HOSE SLEEVE OVER FOLDED END

**6.** It may be necessary to tie down the Loc Sleeve Header to secure it in place. Six Quick Tys have been included for that purpose.