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The connection you can trust.

Tape-lock

Technical Specifications Sheet

Heavy duty fittings and valves for drip tube connections

A comprehensive range of heavy duty fittings and valves which provide a positive and quick method of connecting most brands of 16mm ID (Nominal) drip tube and tape products.

Performance features

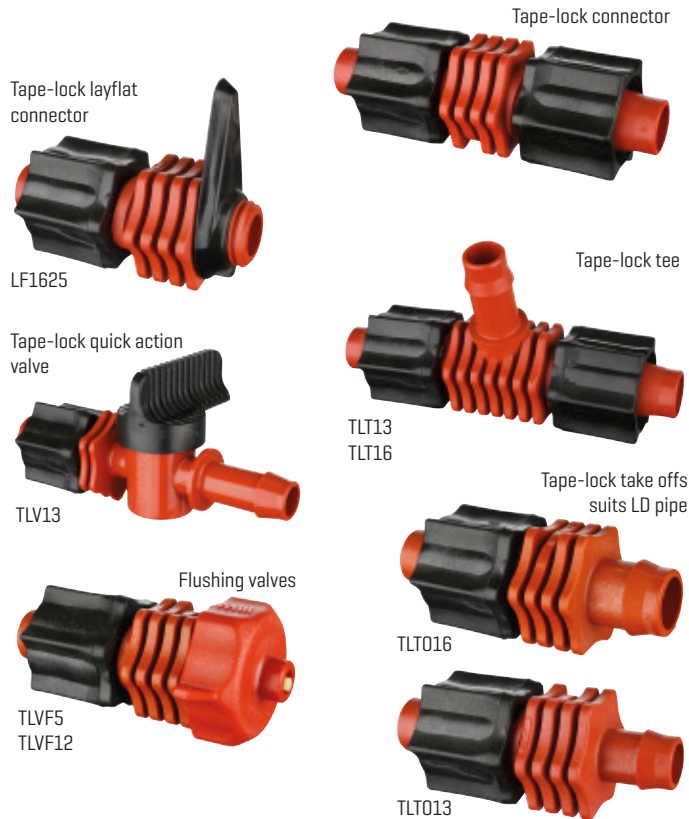
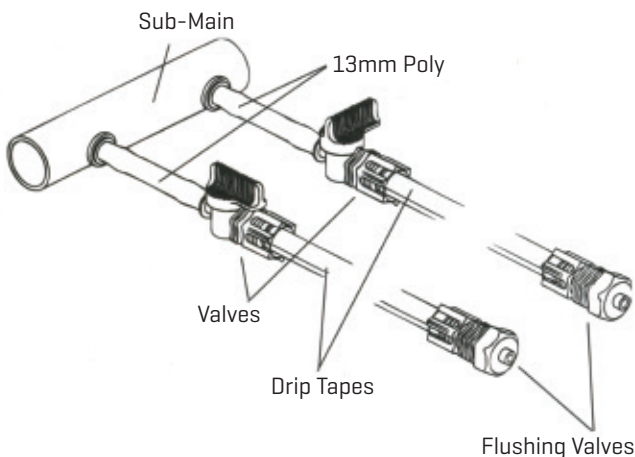
- > Heavy duty lock nut (easy on the fingers) - comfortable to work with..
- > Acme square thread for quick engagement with drip tube, locking it into position.
- > Chamfered interface has been designed between the locking nut and the barb to provide the best possible sealing action..

Operation

- > The drip tube slides over the leading ramp of the barb to butt against the internal wall. A half turn of the lock nut "seals" the tube against the face of the barb..

Application

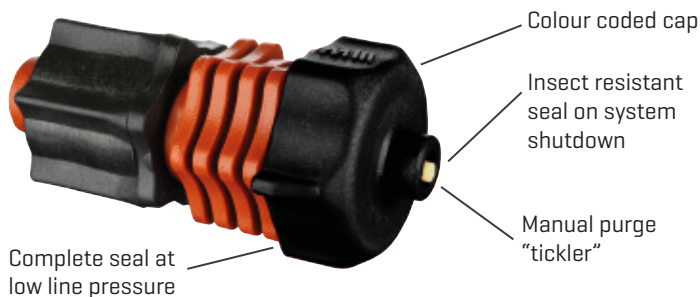
- > For use with compatible drip tube in vegetable row crops, vineyards and general horticulture.
- > Above ground and sub-surface connections
- > Connections from lay flat hose, PVC and PE pipe work systems



Tape-Lock Auto Flushing Valves

Product Code	Cap Colour	Nominal Seal Rate
TLVF5	RED	5 kPa
TLVF12	BLACK	12kPa

Manual purging of individual lines [if required] is done by pressing the "valve ticklet". The static line pressure must be minimum 36 kPa (approx. 5 psi) for manual purging.



Recommended use:

Product described above are designed and manufactured for micro irrigation use and therefore have a maximum recommended operating pressure. The product must be used with suitable filtration (where applicable) to avoid blockage or damage to working components.

Tape-lock

Installation

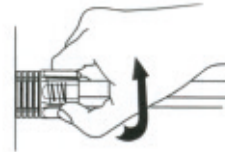
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Tape assembly to fitting:



1. Ensure lock nuts are screwed back against the fitting shoulder. Slide drip tape over barb and push home to butt against the internal wall.

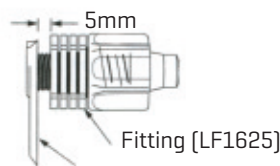


2. Hold the body and half turn locking nuts in a clockwise direction. Nip tight with a spanner, only if necessary.

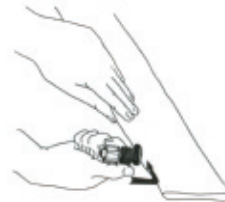
Connection to lay flat hose:



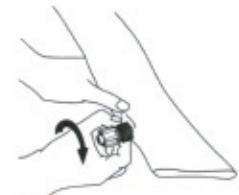
1. Punch hole using oval eye punch.



2. Loosen the tear drop to provide 5mm gap approximately.



3. Insert tear drop through punched hole in lay flat hose.



4. Hold wing of tear drop through lay flat hose and turn fitting clockwise. Nip tight with 3/8" allen key..

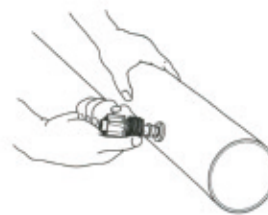
Connecting to PVC or PE pipes:



1. Drill hole to recommended size.



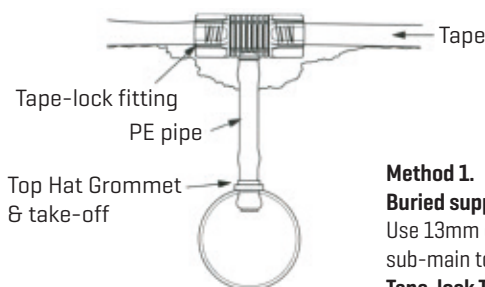
2. Place Philmac "Top Hat" Grommet firmly in hole with flange facing out..



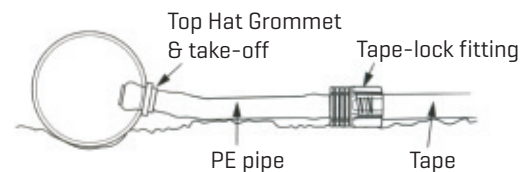
3. Insert and locate take-off firmly against flange of Grommet.

Refer to Philmac technical specification No. PHI1711

Connecting PE pipe to tape/drip tube:



Method 1.
Buried supply sub-main
Use 13mm or 16mm pipe from sub-main to surface and **Tape-lock Tee TLT13 or TLT16**



Method 2.
Polyethylene pipe between Sub-main and drip tape.
Allow for desired length of pipe between sub-main and drip tape, use **Tape-lock TLTO 13 or TLTO16.**

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