

QFLEX RISER INSTALLATION GUIDE

FOR SUBSURFACE DRIP SYSTEMS

STEP 1

Drill the PVC pipe using a special 16mm drill bit and use a special Vargus scraper to clear the chips. The drilling location will be dependent on the location of each buried dripline and is done while the PVC pipe is outside the trench.



STEP 2

Insert grommets (gaskets) into the PVC pipe. It is recommended to wet the grommets to reduce friction.

Takeoff type:

T type (GS PVC takeoff, G-16 rubber)

Min. 32mm pipe OD, 2 to 5.5mm wall thickness

P type (ST PE takeoff, G-ST rubber)

Max. 3mm wall thickness (with grommet)



STEP 3

Insert riser - it is recommended to wet the insertion tooth to reduce friction. Insertion will be done by slight movements exerting pressure onto the submain pipe and done while the PVC pipe is outside the trench.



STEP 4

Place the submain pipe into the center of the trench. This operation will be completed by several workers spaced a few feet apart who will hold the submain and carefully place it down into the bottom of the trench in sections while holding the feed pipe, flushing pipe and risers.



STEP 5

Get into the trench and use a narrow spade to clear the area between the dripline outlet and the trench wall. This will expose 4" to 8" of the buried dripline.



STEP 6

Cleanly and precisely cut the end of the dripline that has been cut/torn by the trencher blades. Ensure that the dripper closest to the cutting area is spaced at least 4" from the end of the cut pipe. This distance will enable you to insert the riser's end into the dripline. If a dripper is less than 4" from the cutting point, cut it again after the dripper.



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STEP 7

Make sure the lateral is supported by the soil so it will not kink. The riser must be inserted into the pipe to a point where the soil forms a shelf or a tunnel, supporting the lateral.



STEP 8

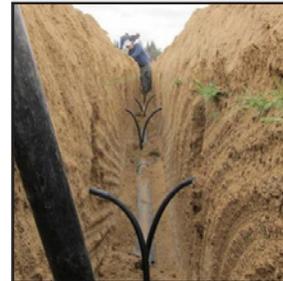
Lock the dripline onto the inserted riser using double loop stainless steel wire ties and tighten using a specially designed wire tie tool. Wire ties and tool not sold by Netafim.

Double loop wire tie visual instructions:



STEP 9

Connect the submain pipe to the water source. Start the flow of water in order to identify potential leaks between the riser and the PVC submain and between the riser and the driplines. Water flow will enable line flushing and ensure water is reaching the dripline ends. Then close the dripline ends.



STEP 10

Backfill the trench. In light soils, riser rigidness enables trench backfilling without the need for manual backfilling. In heavy soils, preliminary manual backfilling may be required. After the trench has been backfilled, use a trench compactor to make sure the soil is compacted.



NETAFIM USA
CS 888 638 2346
www.netafimusa.com