

## Installation Instructions:

The user should consider whether conditions warrant the use of a protective sleeve over the transition from the rigid to relatively flexible piping materials. For further information and guidance, we recommend consulting ASTM D 2774-12 Standard Practice for Underground Installation of Thermoplastic Pressure Piping and/or the AGA Plastic Pipe Manual, Eighth Edition, 2006.

### To Install:

1. Remove the completion cap and perforator from the tee body. Set these parts aside, taking special care to keep the perforator clean and dry – exposure to oil, dirt or moisture can degrade the special lubricant on the perforator and prevent the perforator from functioning properly. Protect all threads in the body and on the parts from dirt contamination.
2. Attach the tee body to a main of material and wall thickness appropriate for the perforator – the tee must be square to the main for the perforator to work properly. (The perforator tip could break if the perforator contacts the pipe at an angle.)
3. Attach the service line to the tee body and extend the line to the first shut-off point.
4. Pressure test the tee and service line.
5. Insert the perforator into the tee body until the top of the perforator is 1/4" below the top of the tee opening. **DO NOT APPLY ANY LUBRICANT TO THE PERFORATOR, ITS TIP, OR THE TEE BODY.**
6. Crimp the top of the tee.  
H-18097 Compact Crimping Tool: Fully retract anvil face by turning hex nut counter-clockwise. Apply a light coat of cutting grease or oil to the internal threads of the tool and the anvil face. Thread the tool onto the tee body hand tight. Turn the hex nut clockwise until contact is made with the top of the tee body. Using a suitable smooth jawed wrench, turn the hex nut 3/4" to one full turn clockwise to crimp the top of the tee. Turn the hex nut counter-clockwise and remove the tool.
7. Use the Mueller H-18090 NO-BLO® Operating Wrench, or similar ratchet drive wrench, to rotate the perforator and pierce the main by rotating the ratchet handle clockwise in 1/4-turn increments. (To attach the H-18090 tool, first engage the tool shaft with the hex socket in the perforator, then attach the tool body to the body of the tee wrench tight.) **ONCE THE PERFORATOR CONTACTS THE MAIN, CONTINUE TURNING IN THIS MANNER UNTIL THE PERFORATION IS COMPLETE – DO NOT STOP THE OPERATION OR ATTEMPT TO BACK OUT THE PERFORATOR BEFORE PIERCING THE PIPE. IN THE EVENT OF A FAILED PERFORATION, DO NOT ATTEMPT TO USE SECOND PERFORATOR IN THE SAME TEE BODY.**
8. Once the main is pierced, continue turning clockwise until the perforator seats tightly in the main.
9. Ratchet the handle counter-clockwise until the perforator firmly contacts the crimped top of the tee, forming a metal-to-metal seal. Remove tool from tee body.
10. Install the completion cap using a good grade of pipe thread sealant, and tighten firmly.

### To make a shut-off at the main:

1. Remove completion cap and attach H-18090 operating wrench to tee body by first engaging the tool shaft with the hex socket in the perforator, then attaching the tool body to the body of the tee wrench tight.
2. Ratchet the tool shaft in the clockwise direction until the perforator contacts the main, then continue turning to tighten the perforator until a positive shut-off is made.

## Phone: (800) 798-3131

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