

Operating Instructions

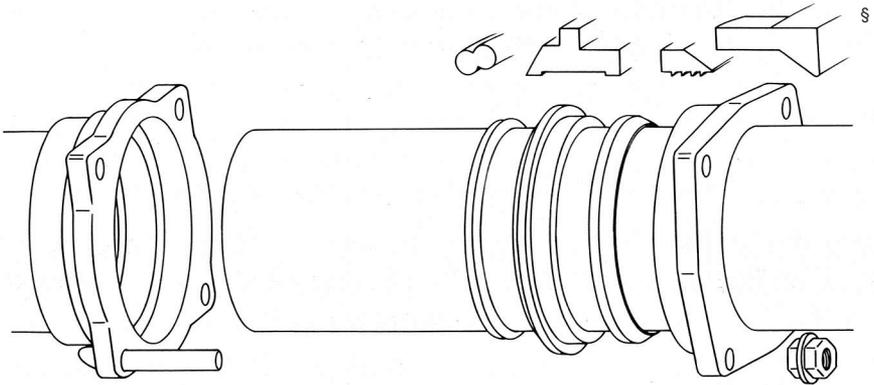
Note: For basic operation of the machine and assembly of the cutting equipment, refer to the operating instructions for your specific machine (Form 8895 for the CL-12 or 8513 for the C1-36). PDF files of these manuals can be found at www.muellercompany.com.

1. After the valve has been attached to the tapping sleeve, disassemble the AquaGrip end connection by removing the bolts and all other parts including the installed gasket. Discard the four (4) external key stock spacers. Place the parts in a clean and secure location.
2. Clean and lubricate (with a silicone grease) the extra gasket supplied with the tapping valve. Install the gasket in the socket end of the valve. Assemble the adapter and tools to the machine in the usual manner as described in the operating instructions.
3. Be sure the open end of the adapter is clean. Center the open end of the adapter with the gasket and push it through until it stops. Install the adapter bolts and tighten the nuts securely.
4. Pressure test the tapping sleeve and valve with the disc closed with water to check for leaks. Next pressure test the sleeve, valve and adapter combination with water for leaks. If any leaks are noted, they should be corrected prior to proceeding.

WARNING: Never test the assembly with air. Doing so can result in serious injury or death.

5. Proceed with the cutting operation in accordance with the operating instructions. A 2" NPT tapped port is provided in the adapter that may be used as a flushing connection when tapping plastic or A/C pipe.
 6. After the cut has been completed, retract the boring bar and close the gate valve. Remove the adapter bolts/nuts and withdraw the adapter from the valve. Discard the gasket used during the tapping operation.
 7. Clean the valve socket to remove shavings left over from the cutting operation.
- NOTE:** Since the AquaGrip components are already disassembled, it is less time consuming to place the components on the pipe as described below and shown by the illustration, instead of reassembling the components on the valve end.
8. The pipe end that will be inserted into the valve should be prepared as follows:
 - a. The pipe end should be cut as close to 90° of the pipe axis as possible.
 - b. Remove all burrs from the pipe end.
 - c. Clean all dirt and debris from the end to be inserted. Ensure that the pipe end does not contain deep score marks.
 9. Slide the AquaGrip components over the pipe end in the following order:
 - a. End ring
 - b. Gripper band (note the location of the beveled side in the illustration)
 - c. Intermediate ring (note the location of the beveled side in the illustration)
 - d. Gasket (use the gasket that came installed in the valve). Make sure the gasket is clean and lubricated with silicone grease.

10. Stab the end of the pipe into the valve socket until it stops. The pipe should be centered in the valve socket and as level as possible. Slide the gasket into the valve socket.
11. Slide the intermediate ring and end ring with gripper band forward. Be sure the gap in the gripper band is placed around the break-away teeth on the intermediate ring. Insert the T-head bolts through the end ring bolt holes. Hand tighten the break-nuts on the bolts. Threads on break-away nuts should be installed toward the end ring.
12. Tighten the break-nuts evenly using the crossover method until the nuts shear.



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