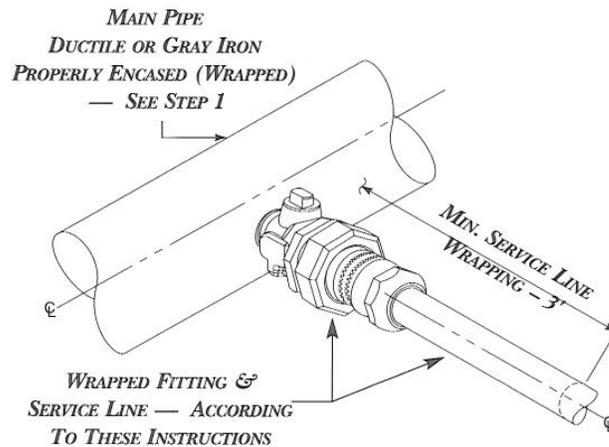


Installation Instructions



CAUTION: Read and follow these instructions to install the Mueller® Insulated Corporation Ball Valve. Failure to follow these instructions may result in damage to the valve and/or piping system, or may prevent the insulator from functioning as intended.

WARNING: The potential for electrical shock may be present when working on existing water main and service piping. Before starting any work on such piping, determine and follow the local water authority's procedures as they apply to detecting electrical currents in the water piping, and the steps to be taken to protect personnel from any potential electrical shock hazard. At a minimum, such procedures should include the use of grounding straps (bonding) to bridge the area of service piping where this product is to be installed, and the use of appropriate safety equipment and/or apparel to insulate personnel against any potential electrical shock hazard. Failure to do so could result in serious injury or death.

1. Encasement of mains and service taps with polyethylene should be as outlined in Section 4: Requirements of ANSI/AWWA C105/A21.593 standard for "Polyethylene Encasement for Ductile Iron Pipe Systems."
2. To make direct service taps when installing the insulated corporation ball valve on wrapped mains, first apply two or three wraps of polyethylene adhesive tape completely around the polyethylene-encased main. Make sure the tape covers the area where the tapping machine and tape will be mounted.
3. Mount the tapping machine to the main and install the corporation ball valve directly through the tape and polyethylene. This method minimizes possible damage to the polyethylene encasement by the tapping machine and chain during the tapping operation.
4. The machine adapters fit on the union end of the valve body. Before reinstalling the insulated tail piece, inspect the O-ring for damage. Be sure the O-ring is placed in the machined groove.

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By deviating from the above listed instructions, you will void any product warranty and release Mueller Co. and its affiliated entities from any and all liability associated with the installation or use of this product. For details on the product's warranty, terms, and conditions, please visit www.muellercompany.com.

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5. After completing the direct tap, closely inspect the entire circumferential area of the main for damage to the wrapping and repair if needed.
(Alternative direct tapping method: Provide an opening in the wrapping of the main by making an X-shaped cut in the polyethylene covering large enough to allow the machine saddle to sit securely on the main. Temporarily fold back the film. Install the valve. Securely tape the slack in the film to the valve, and repair the cut and any other damaged areas in the polyethylene with tape.)
6. When connecting the service line, hold the knurled area of the insulated tail piece as the connecting nut is tightened.
7. After connecting the service line to the valve, wrap the service line and valve with a flexible dielectric tape such as Polyken #932 Hi-Tack joint wrap tape or equivalent for a minimum clear distance of 3 feet (0.9 meters) from the main. Follow the Polyken instructions for Polyken #932 tape, or ANSI/AWWA C214 as minimum if other tape materials are used. This helps prevent stray electrical currents from traveling through the soil around the insulated corporation ball valve.
8. When backfilling polyethylene-encased mains, use the same backfill material as that specified for mains without polyethylene wrap. Be careful not to damage the polyethylene during backfilling. Backfill should be free from cinders, rocks, refuse or other materials that could damage polyethylene. Backfilling should be accomplished in accordance with the latest revision of ANSI/AWWA C600.