

## MUELLER® Insulated Water Service Line Products

MUELLER Insulated Products are the simple, cost effective and reliable way to help address the problems associated with stray electrical currents on metallic water piping - either in new installations, or to retrofit existing lines.

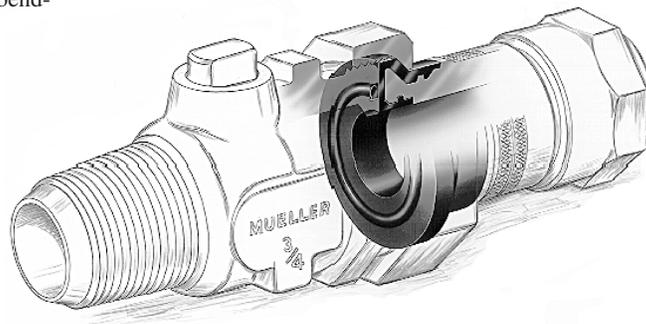
Insulated products are available for use in many different locations along the service line allowing a style to be selected which can help to control stray currents, yet minimizes the need for changes to system specifications, installation procedures, or training programs.

Mueller incorporates a nylon insulator that is structurally supported by specially shaped 85-5-5-5 brass parts. This results in a strong union that will withstand the mechanical forces and stresses encoun-

tered in water distribution systems, and that effectively stops the flow of electrical current at the point of installation.

For buried installations, the insulator and adjacent piping must be wrapped at least 3 feet in both directions from the insulator to prevent stray currents from traveling through the soil around the insulator. All wrapping should be in accordance with wrapping manufacturer's instructions; ANSI/AWWA C209 Standard for Cold-Applied Coatings for the exterior of special sections, connections, and fittings for steel water pipelines; and ANSI/AWWA C105/A21.5 Standard for Polyethylene Encasement for Ductile Iron Pipe Systems.

- NYLON INSULATOR** - has high dielectric, compressive and impact strength. It is inert, and recommended for water service applications. Design capitalizes on nylon's superior strength under compression.
- 85-5-5-5 BRASS PARTS** - designed to absorb tensile and bending forces from piping.
- INSULATOR SKIRT** - is extra long to resist electrical bridging or shorting.
- CONVENIENCE AND RELIABILITY** - the convenience of a union and an insulator in one product. Reliability proven by more than 30-years use of similar Mueller design in natural gas distribution industry.



- BEVELED FLANGE** - increases compressive bearing area for added strength. Design assures reliable seal between nylon and 85-5-5-5 brass tailpiece.
- O-RING SEAL** - is retained in groove if tailpiece is removed to prevent O-ring loss; assures positive seal in union.