



ISCO **PP** | **RCT**



**POLYPROPYLENE
PIPING SYSTEMS**

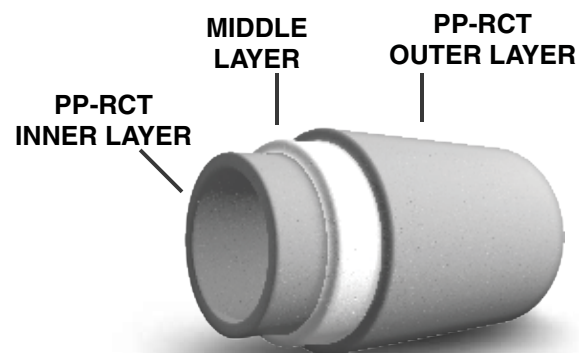
POLYPROPYLENE PIPING SYSTEMS

A CUT ABOVE THE COMPETITION

ISCO Industries is proud to add polypropylene piping systems to our list of products and services.

ISCO PP-RCT offers quality products and services to our customers, and our polypropylene product systems are the most advanced of their kind. ISCO PP-RCT supplies solutions using polypropylene pipe made from the most commercially progressive resin on the market today resulting in the highest pressure and temperature ranges. The result is the best performing product available.

ISCO PP-RCT pipe and fittings are made using a unique random copolymer polypropylene high-crystallinity resin. An encapsulated layer provides additional strength and reduces thermal expansion by up to 70 percent. This mix of materials produces higher temperature and pressure ratings than the standard commercially available PPR products.



ALL ISCO PP-RCT POLYPROPYLENE PIPING SYSTEMS ARE INSPECTED AND ASTM F2389 APPROVED



THREE CLASSES OF PIPE

HIGH TEMPERATURE	For high temperature applications such as hot potable water distribution and industrial applications. For easy identification, piping identified with a red stripe
STANDARD	For applications such as HVAC heating and cooling systems, chilled beam systems, cooling towers and chilled water, geothermal, heating hot water, potable water and industrial cooling water and plant water.
LOW TEMPERATURE	For ambient temperature applications such as cold potable water distribution. For easy identification, piping identified with a blue stripe.

ISCO PP-RCT is available in 1/2- through 24-inch diameters with standard 20-foot sections and is highly resistant to stress cracking and oxidative failure. Each system is joined by using a wide selection of socket, butt and electrofusion fittings.



ABOUT ISCO

Since 1962, ISCO Industries, a global customized piping solutions provider headquarters in Louisville, Kentucky, stocks and sells a wide variety of HDPE pipe, piping materials, and offers custom HDPE fabrication to provide piping solutions for multiple applications such as: industrial, municipal, power, oil and gas, mining, environmental, geothermal, golf, culvert-lining and landfill. The company also rents, services and sells McElroy fusion equipment. ISCO has more than 30 facilities in North America, Australia and Chile – inventorying large stockpiles of HDPE pipe and piping products, usually within a one day delivery of most projects.

DID YOU KNOW THAT PP-RCT IS RAPIDLY REPLACING

- Copper
- CPVC
- Stainless Steel
- Carbon Steel
- Black Steel

THE ADVANTAGES OF PP-RCT PIPING SYSTEMS

COST SAVINGS

- ISCO PP-RCT piping reduces thermal expansion by up to 70 percent, reducing the number of expansion loops, elbow offsets and expansion joints.
- Lower installation costs compared to CPVC, copper and other metal piping systems.

INCREASED RELIABILITY

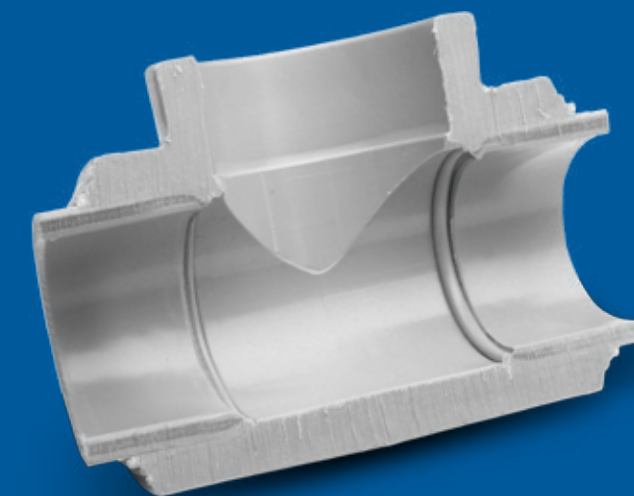
- The first complete polypropylene piping system to offer pipe and fittings made from PP-RCT, the most advanced resin available.
- All injection molded fittings and/or mitered fittings comply with the ASME B31 standards.

MULTIPLE WELDING OPTIONS

- Comprehensive selection of pipe welding equipment and options including electrofusion, socket fusion and butt fusion equipment.

BACKED BY EXPERTISE AND SUPPORT

- ISCO has 50 years of plastic piping experience ranging from pipe supply, fusion services, molded and fabricated fittings and field technicians for on-site support.
- Backed by a seasoned sales force, multiple stocking locations and in-house engineering support
- Fabrication expertise to assist in lowering overall installed costs.
- Certified fusion technicians to assist and work on-site ensuring a successful system start-up.
- ASTM F2389 approved.





COMMERCIAL APPLICATIONS

- Hot and Cold Potable Water
- Cooling Tower Water Supply/ Return/Recirculation
- Boiler/Hot Water Piping
- Chilled Water Distribution
- Chilled Beams
- Propylene and Ethylene Glycol Distribution
- Hydronic Heating Distribution
- Plant Water Distribution
- Chemical Process Piping
- Compressed Air
- Recycled, Reclaimed, And Rainwater Retention Applications
- Geothermal Interior Piping
- Data Centers
- Breweries



FACILITIES UTILIZING PP-RCT

- Libraries
- Schools (K-12)
- Universities
- Hospitals
- Hotels
- Industrial Plants
- Aggregate and Mining Plants
- Liquid Fertilizer Plants
- Pulp and Paper Plants
- Petrochemical
- Semi-Conductor - Wafers
- Plastic Resin Manufacturers
- LNG (Liquefied Natural Gas)
- Coal Fired Power Plants
- Natural Gas Plants
- Fuel Oil Power Plants
- Hydroelectric Plants
- Biomass Power Plants
- Nuclear Plants
- Wind Farm Plants
- Solar Plants
- Food and Beverage Plants
- Chemical Processing Plants



INDUSTRIAL APPLICATIONS

- Acid/Caustic Lines
- Acid Mining
- Acid Bath
- Organic Chemicals/Inorganic Chemicals
- Hazardous Waste
- Potable Water and Wastewater Applications
- Process Water
- Dual Containment Piping Systems
- Liquid Fertilizer
- Clean And Ultra-Pure Water Process
- Power Plants, Fresh Water and Discharge
- Spent Fuel Slurry (Fly Ash and Bottom Ash)
- Deionized Water (Di) Waste Lines
- Compressed Air

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