

Make the call

Nobody knows golf course and turf irrigation like ISCO.

We have equipped hundreds of golf course and turf projects nationwide with ISCO HDPE piping systems, and fully understand the challenges each installation presents. We have sales, service and stocking sites across the nation, ensuring that the pipe, fittings, fusion equipment, and accessories you need are a phone call away — and usually within a day's delivery of most jobs.



From a technical standpoint, we're there to work with your engineer for system design, your contractor to ensure proper installation — and your superintendent for any additions, alterations or service throughout the life of the system. Make ISCO your single source for all your irrigation HDPE piping needs by calling 1-800-345-ISCO (4726).

For ISCO HDPE pipe, irrigation pros know. Just call...

1-800-345-ISCO

ISCO
INDUSTRIES

CORPORATE HQ

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Buy with confidence!



Home of the
FUSION ACADEMY

Fusion help is
a phone call away!

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1-800-345-4726 EXT. 5433

The answer to
leaky joints & pipe
breaks caused by
water hammer or
over pressure

ISCO HDPE Pipe for Golf & Turf Irrigation



ISCO
INDUSTRIES

Coming through.

IRRIGATION

NO JOINTS. NO LEAKS. NO BREAKS.

The weakest point of any golf course and turf irrigation system is found within the main piping itself. Leaky joints and pipe breaks caused by water hammer — the sudden water and air surge inside the system — and early spring turn-ons through cold, brittle conventional pipe can result in costly, disruptive repairs.

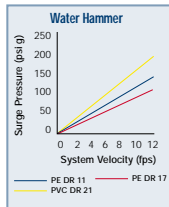
High Density Polyethylene Pipe (HDPE) sold and distributed by ISCO Industries is the answer to this critical problem.

No joints. No leaks.

Durable, flexible ISCO HDPE pipe sections are actually butt fused together to become one continuous pipe, with the fused area becoming even stronger than the piping itself. Conventional irrigation pipe contains joints proven to be the weakest spots in the entire system.

The culprit: Water hammer

The most common cause of breaks and leaks in conventional golf and turf piping is water hammer. ISCO HDPE pipe, because of its elasticity and other durable properties, effectively reduces the surge pressure caused by the constant stop and go flow of air and water through the pipe. And, since fused ISCO HDPE pipe is 'jointless,' there



are no weak spots to fail. Conventional irrigation pipe requires its joints to be reinforced by thrust blocks to absorb the force of the water hammer, something not necessary with ISCO HDPE pipe since the butt-fused joint acts as a restrained joint itself. Unlike conventional pipe, ISCO HDPE pipe is rated for surge pressure 1.5 times the rated working pressures.

Why ISCO HDPE pipe?

ISCO HDPE pipe has been in use in a wide variety of municipal, industrial and turf applications for over 30 years, and is field proven on hundreds of golf courses worldwide to be a superior piping product. ISCO HDPE pipe has many advantages over conventional irrigation piping products, including:

Flexibility

Bends to a radius of 25 times its diameter, meaning fewer 90° bends overall, lessening the chance for water hammer and less chance for leaks. It performs well in rocky conditions, and can be buried at a shallow depth. There are no joints to pull apart, a distinct advantage when lodge rock prohibits excavation and very little cover is available.

Strength, Durability and Weatherability

ISCO HDPE pipe actually gains strength and will not become brittle in lower temperatures, and will expand or contract to avoid breaking, even when frozen solid with water. It is ideal for use at sub-zero temperatures, taking the suspense out of early spring turn-ons.

ISCO HDPE pipe can be laid at the trench, or fused in a staging area away from trenching. The pipe can then be dragged to the trench without concern for breaking.

It can withstand long exposure to inclement weather conditions, excessive sunlight and ultraviolet rays, making it an excellent pipe for bridge crossings and exposed wetland piping.

Performance

ISCO HDPE pipe absorbs vibrations and stress caused by soil movements and can withstand compression or deflection without permanent damage. It has even withstood the destructive forces of earthquakes. This makes it the ideal choice for golf course irrigation systems in unstable soils found on landfills and lowlands.

It will not collapse, even under a full vacuum when the correct class is used for a required application, making it an excellent choice for intake piping at pump stations.

Ease of Installation, Repairs and Tapping

The fusion process is simple and reliable, made easy with the use of McElroy fusion equipment. Contractors appreciate the ease and speed of installation, and fewer callbacks for repair. And, if repairs are ever required for an ISCO HDPE piping system, it is easy to re-fuse the pipe on-site with portable electrofusion equipment, quickly restoring the pipe to its original integrity. ISCO HDPE pipe is also easy to 'tap' for system expansion, and threaded fitting connections can easily be made by butt-fusion, electrofusion or mechanical saddles for sprinklers and valves.

Versatility

ISCO HDPE pipe is manufactured and available in diameters of 1" through 63", with classes specified for each system's working pressure. Core wall ISCO HDPE pipe is manufactured up to 120" in diameter, making it ideal for pump station wet wells. Qualified ISCO personnel can assist you in selecting the proper size and class for your project. ISCO also stocks — or can fabricate — any fittings required to connect with other sprinkler or pumping systems specified.

ISCO HDPE pipe is ideal for:

- Main, lateral, and pump discharge piping
- Pump station wet wells
- Pump intake piping and floats
- Wetland piping
- Creek, bridge, and road crossings
- Lake/pond trickle tube

Buy with confidence!

Only ISCO Industries offers a 5-Year Limited Warranty, exclusive to golf and turf irrigation applications, providing replacement of any HDPE pipe shown to be defective in materials or workmanship.



Plus — ISCO can provide a list of qualified installers also offering a 5-Year Limited Warranty on pipe installation for golf and turf irrigation applications.

Call your ISCO sales representative for installer list and complete warranty details.



1-800-345-ISCO