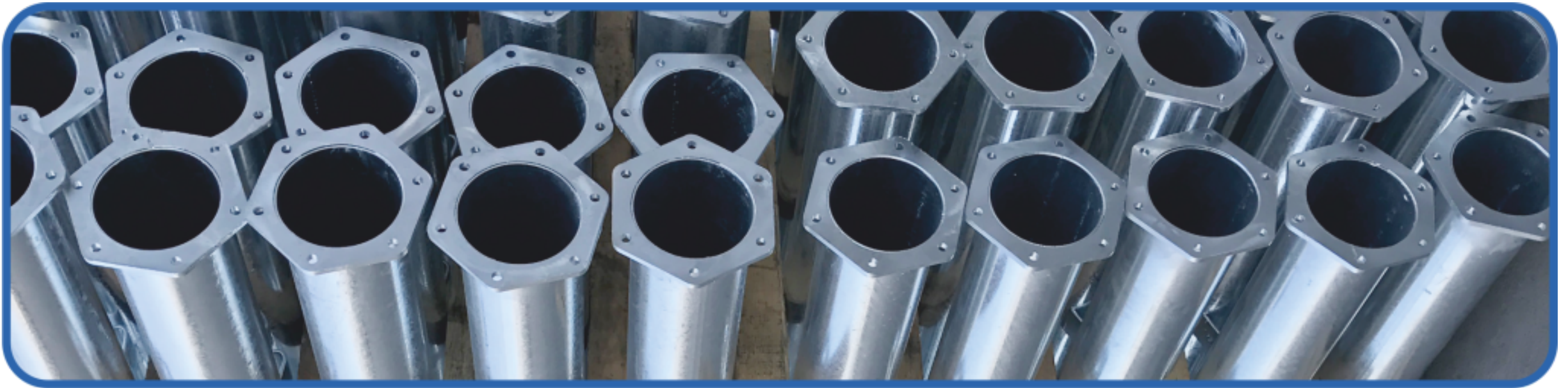


CHOOSE THE BEST PIPE FOR YOUR AGRICULTURAL FIELD

PolyPipe

Lining stands up to the most corrosive water or wastewater

'We work with long-lasting brands for our customers'



ATLANTIS
CENTER PIVOT & LINEAR IRRIGATION SYSTEMS

COUNT ON IT

INCREASES EFFICIENCY WITH HIGH PERFORMANCE

IRON BACTERIA

Groundwater, especially in Middle Eastern countries and African countries, are fossil water resources that have been formed over millions of years. Many of these water resources contain high levels of iron.

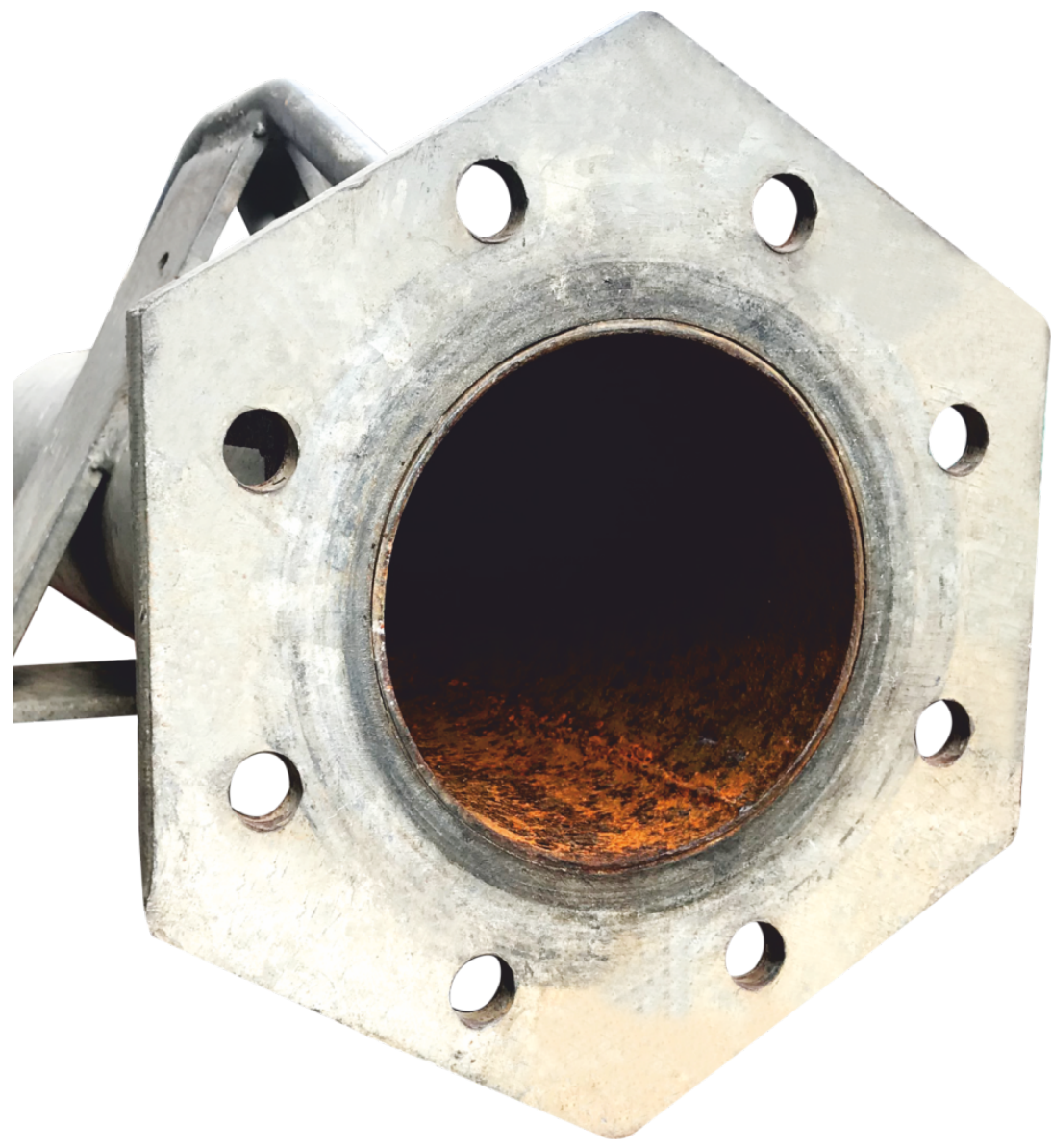
Dissolved iron found in groundwater is Iron (Fe++) as iron. Soluble iron-containing iron compounds are colorless when dissolved in water.

Ferric (Fe+++) oxidizes to iron when groundwater containing iron is pumped to the surface. This Ferric Oxide (Fe₂O₃) is insoluble and reddish / brown in color. Its common name is rust and is particularly responsible for damage to pumps and Center Pivot pipes.

Since the rust particles are very small, they start to adhere to the surface of the pipe with the irrigation water and over time, most of these particles accumulate on the pipe, causing the pipe to rot and causing the center pivot to be damaged.

Iron in irrigation water can be an essential nutrient for plants, but instead it oxidizes when in contact with air, blocking the Center Pivot sprinkler nozzles, filters, pump assemblies and Center Pivot Span pipes, contributing to scale formation in the pipes, which also narrows the inner diameter of the pipe. The amount of water passing through will be significantly reduced. However, serious yield losses may be experienced as there will not be sufficient development in plants that receive insufficient water.

Since the accumulation of iron, lime or other chemicals in Atlantis Polypipe pipe will be less, your pump will continue to operate with less energy like the first day. Since there is no accumulation in the steel pipe, the pipes will last much longer.



UNIQUE CONDITIONS REQUIRE SPECIFIC SOLUTIONS

- Atlantis has provided a superior protection against problematic water sources by coating the inside of the standard galvanized pipe of the Center pivot and Linear irrigation systems with polyethylene pipes with Polypipe, which it has developed as a result of its R&D studies for more than 5 years. In this way;
- Longer life span of Center Pivot and Linear Irrigation Systems has been provided.
- The pipe, which is more durable with PE inner coating in addition to galvanized coating, will provide impermeability for many years.
- Thanks to Polypipe, it is not affected by sand or sediments in the irrigation water. In this way, it is a system that you can use for many years.

With 3mm thick high quality Polyethylene placed inside the irrigation pipes covered with hot dip galvanized with a special technique, the pipes have been used for a longer time. Chemicals used for chemical fertilization or plant protection purposes, especially with irrigation water, cause serious wear and damage in pipes. Thanks to Atlantis Polypipe, galvanized and polyethylene coated pipes in irrigation systems are extra long-lasting.



IMPROVED FLOW WITH REDUCED ENERGY REQUIREMENTS

FOR A LONGER LIFE IRRIGATION SYSTEM,
ATLANTIS PolyPipe

- Longer lifetime, as residue accumulation in the pipe is minimal,
- Reduce the energy consumed in the Pump by an average of 25% compared to a standard pipe
- It reduces pipe damage caused by the use of fertilizers, herbicides, pesticides and fungicides.
- Improves system performance by providing better water flow due to less friction, less pressure loss.
- Provides longer life for your irrigation system and reduces maintenance costs.
- Maintains nozzle performance for a homogeneous water distribution
- Prevents iron bacteria, algae and biofilm formation.



Provides a more uniform water distribution and a better throw distance in irrigation sprinklers.

All materials except Atlantis PolyPipe are not resistant to water corrosion. The quality of the water may reduce the life of the pipe within 1 year or a few years. With Atlantis PolyPipe, you can eliminate many problems in the water supply.

It is observed that even galvanized products are damaged and pipe life is shortened significantly in cases where the water source is caused by corrosion.

To determine the type of pipe you need, simply contact Atlantis and send a detailed analysis of your water supply. Our expert teams will offer you the right option in a short time.

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EXTENDS PIPELINE LIFE IN ALL WATER CONDITIONS

CORROSIVE WATER SOLUTIONS

- Corrosive Factors
- Acidic (low pH)
- Alkaline (high pH)
- Soft water (low mineral content)
- Some chemical additives for crop management
- Corrosive chemicals (chlorides, sulfates, other salts)

PolyPipe(HDPE)

High Density Polyethylene (HDPE)

PolyPipe are Available with Atlantis pivots, Center Linear , Towabl Pivot and all Linear models.

