

**GEORG FISCHER
CENTRAL PLASTICS**

**HYPERPLAST
PIPING
SYSTEM**

EXPERIENCE IS CENTRAL.

Georg Fischer Central
Plastics is recognized as
an industry leader in the
design and manufacture
of innovative piping
systems solutions.

Georg Fisher Central Plastics
can custom build to suit
your needs.

Gas | Water | Energy

Perhaps the biggest cost savings from PA-11 piping came in the time saved on fusions. AWG estimates it saved 30-40 minutes per joint using PA-11 pipe. Creating a butt fusion joint with PA-11 piping takes no more than 15 minutes to complete.

— Arkansas Western Gas

Hyperplast™ Piping System is THE low cost solution for replacing steel.

The Hyperplast system provides a higher pressure plastic alternative to corrosive steel systems, reducing installation and lifetime maintenance costs.

Our Hyperplast™ Piping System uses polyamide-11 resin (PA-11). The PA-11 system is easy to install using electrofusion or conventional fusion equipment and tools (1/3 the time of steel) and requires minimal maintenance.



The Hyperplast™ Piping System is the only plastic pipe permitted for use at pressures up to 200 PSI without DOT permit or waiver.

Annual corrosion related costs in the United States are approximately \$300 billion

Corrosion is not limited to a specific industry or region; its effects are widespread and can be seen in nearly all applications:

- gas utilities
- wastewater
- plumbing
- landfills
- potable water
- oilfield
- mining
- marine environments

COMPLETE SYSTEM

The Hyperplast system includes all the PA-11 pipe fittings and connections to install a complete system, including transmission lines as well as local distribution and service connections.

The Hyperplast™ Piping System includes:

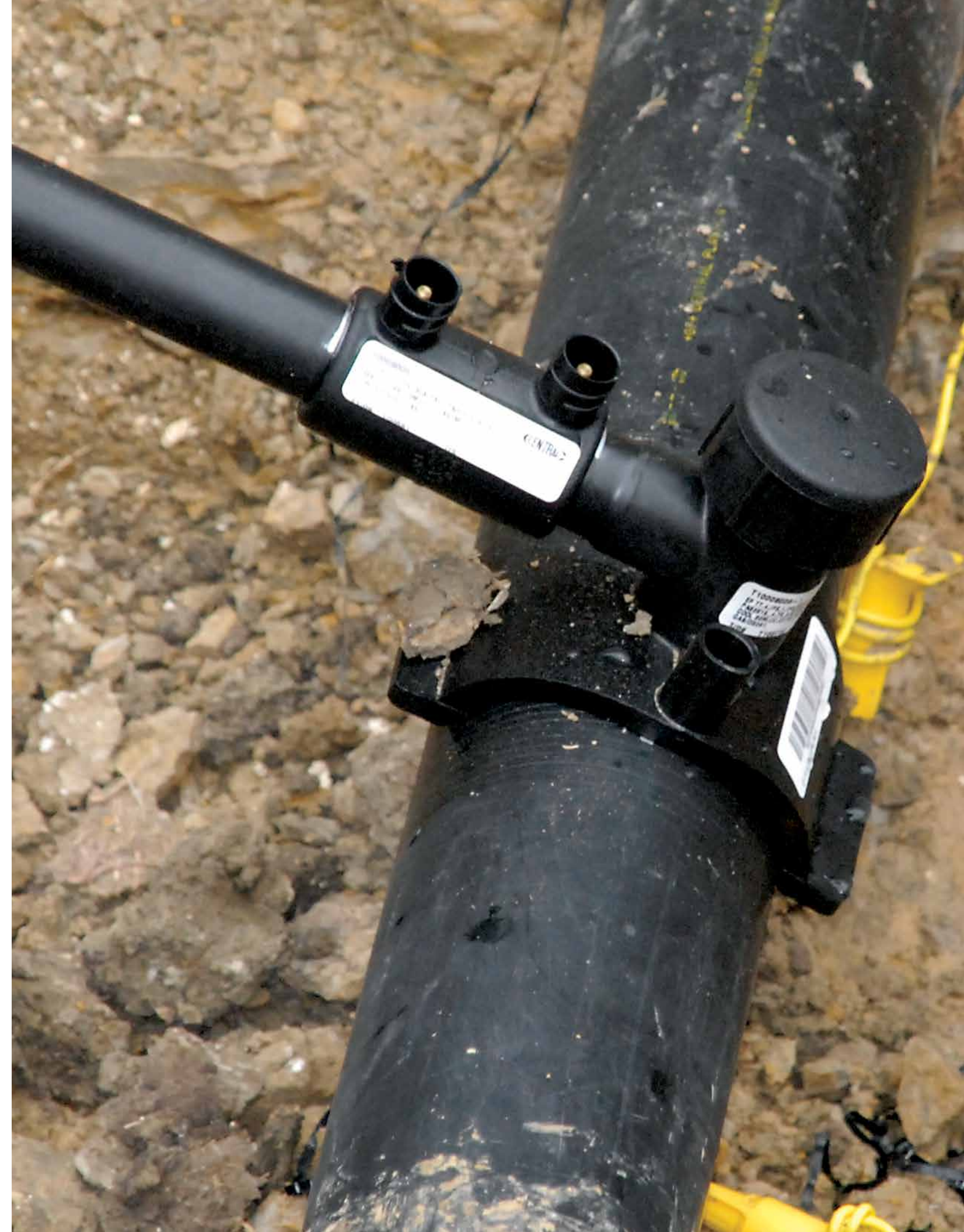
- 1-inch, 2-inch and 4-inch IPS pipe
- Butt fusion & transition fittings
- Risers
- PA-11 valves
- Electrofusion couplings, valves, saddles and meter risers

* Installation of Hyperplast™ Piping Systems is similar to polyethylene, using conventional butt fusion equipment or electrofusion.

THE GREEN SOLUTION

The Hyperplast™ Piping System is made completely of renewable castor oil, extracted from castor beans rather than petroleum. Castor beans grow in poor soil, requiring little water or fertilizer.

The carbon footprint of PA-11 is dramatically smaller than either polyethylene or steel. In fact, PA-11 has a CO2 footprint 40% less than polyethylene and 100% recycled steel has a CO2 carbon footprint 14 X greater than PA-11.



Current Hyperplast™ Product Line.

PIPE SIZES:

1" IPS, 2"IPS and 4"IPS – Currently 40' Sticks
(Coiling of 1" & 2" proven but pending)

BUTT FUSION FITTINGS:

1", 2" and 4" IPS, inclusive with Reducers

RISERS:

1" IPS and 2" IPS

TRANSITION FITTINGS:

1", 2" and 4" PA-11 to steel and PA-11 to PE

ELECTROFUSION:

4" IPS x 1" IPS & 2" IPS x 1" IPS EF tapping tees;
1", 2" and 4" couplings. (Pending 2 IPS x 2 IPS and
4 IPS x 2 IPS)

WORLDWIDE CODES AND STANDARDS

| | |
|---------------------|--|
| ASTM D 2513 Annex 5 | PA material and pipe |
| CSA B137.12 | PA material and pipe |
| ASTM F 1973 | PA Anodeless Risers and TransitionFittings |
| ASTM F 2145 | Standard Specification for PA-11 Mechanical Fittings |
| ASTM F 1733 | Specification for PA-11 Butt Fusion Fittings |
| NFPA 54 | National Fuel Gas Code |
| ANSI Z380.1 | GPTC Guide Material for PA-11 |
| NFPA 58 | LP Gas Code |
| ASME B31.8 | Gas Distribution and Transmission Pressure Piping Code (mechanical fittings) |
| ISO | Ballot issued in ISO/TC138 |

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other sizes and dimensions.
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product details in
our catalog.

BUTT FUSION FITTINGS



45° ELBOW



90° ELBOW



END CAP



REDUCER



TEE

COUPLINGS



EF COUPLING

TAPPING TEES



EF TAPPING TEE WITH
BUTT OUTLET

RISERS



ANODELESS RISER

TRANSITION FITTINGS



PA-11 TO PE



TRANSITION FITTINGS WE



GEORG FISCHER
PIPING SYSTEMS

GEORG FISCHER CENTRAL PLASTICS

To build quality piping systems that are efficient, reliable and safe, you need pipe joining products & solutions with unparalleled integrity.

Georg Fischer Central Plastics is a global leader to the leading utilities and corporations around the world.

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