INDUSTRIAL PLASTICS
Pipe, Fabrication and Fusion Services

CONTACT ONE OF OUR HDPE FABRICATION FACILITIES TO LEARN MORE.

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Lakeland
(863) 667-1686

NORTH CAROLINA
Washington
(252) 946-8071

TEXAS
La Porte
(713) 491-1970

WASHINGTON
Washougal
(360) 835-2129
HIGH DENSITY POLYETHYLENE PIPE AND FABRICATION SERVICES

A long lasting and sustainable solution for industrial applications.

Piping made from polyethylene is a long-lasting, cost-effective solution for a broad range of piping problems in industrial, marine, mining, landfill and agricultural applications. It has been proven to be effective in surface, underground and marine applications.

Suitable applications include:

- Hazardous waste
- Dredge piping
- Flotation systems
- Acid bath
- FM pipe
- Spent abrasive slurry
- Power generation
- Organic/inorganic chemicals
- Solution mining
- Process piping

CHOOSING THE RIGHT SUPPLIER

Our value-engineering solutions can help reduce overall project cost and increase site productivity.

With over 40 years in the HDPE business, Wolseley Industrial Group is a leader in the distribution and fabrication of HDPE pipe and fittings. Our equipment, field technicians and facilities are strategically located throughout the United States, ensuring our ability to provide pipe, fittings and equipment regardless of customer location.

We offer:

- Fabrication for custom HDPE pipe fittings in sizes ½"-65" in both IPS and DIPS
- Application and specification review
- Specialty product CAD drawing
- Technical calculations
- Jobsite setup recommendations
- Productivity estimates
- Design assistance
HDPE PIPING SYSTEMS

We offer a variety HDPE fittings, structures and floats to meet our customers unique requirements.

Elbows
90° (3pc & 5pc), 60°(3pc), 45° (3pc & 2pc), 30°(2pc), 22-1/2°(2pc) 11-1/4°(2pc) and custom angles

Swage and Plate StyleReducers
Concentric and eccentric

Structures
Manholes, tanks, spools, manifolds, specialty items

Tees
Line tees and reducing tees

Wyes
Lateral wyes and cleanout wyes

Dual Containment
Dual containment pipe and fittings

Crosses
Line crosses and reducing crosses

Floats
Pump floats, docks, pontoons, fishpens

QUALITY ASSURANCE

Our HDPE Quality Process consists of several procedures to ensure our customers receive the highest quality possible.

Inspection
All pipe and fittings are inspected multiple times throughout the fabrication process. We inspect heat fusion process reports, wall thickness, manufactured angles and cosmetic issues to ensure products meet specifications.

Traceability
A unique serial number is heat stamped for traceability on all fittings. Every accepted fitting has a quality record available to prove inspection, standardization requirements and acceptance.

Data-logging
Standard procedures used for all fabricated fittings and specialty products to record critical data points throughout the fusion process.
CUSTOM FABRICATION

We excel with assistance and custom fabrication of HDPE pipe components that provide the flexibility to provide pipe systems that meet the needs of your application.

With our vast experience in design and fabrication of specialty HDPE products, we provide solutions using fusion techniques applicable for custom fabricated fittings, components and structures to meet unique or specialized design specifications.

• Strategically located fabrication facilities
• Certified factory-trained fusion technicians
• CAD design and 3-D modeling

Fabricated Fittings
Our fabricated HDPE fittings are manufactured from pipe grade polyethylene feedstock that meets ASTM standard F714. We use resin with a cell class of PE 445474C. This material meets the standards for Type III, Class C, Category 5, Grade PE3608 or PE4710 piping in accordance with ASTM standard D3350.

Spool Fabrication
Our pre-fabricated spools are designed to reduce field welds, labor expense and downtime on system replacements.

Specialty Fabrication
Many projects and applications are unique and complex, requiring skilled fabrication and a variety of pieces and fittings. We work with you to develop the best possible solutions.

Floating Structures
Our float systems are resilient and durable in harsh marine environments and designed to last a lifetime. We supply pontoons for marinas, pump floats, fish pens, work platforms, seaplane docks, traditional docks, houseboats and more.

Manholes and Tanks
HDPE manholes and vaults are manufactured and custom built from durable pipe grade materials. Our structures are fabricated using fusion processes to create a one-piece leak-free design.

• Fabricated to connect with any type of piping system
• Designed to meet ASTM standard F-1759-97 requirements for subsurface applications (when applicable)
FUSION SERVICES

Fusion Machine Rental, Sales and Repair
Thanks to our national footprint, a large fleet of McElroy fusion machines and authorized equipment repair facilities, we have the ability to deploy the appropriate equipment and HDPE pipe needed to any job site.

Our offering includes:

- Field fusion technicians
- Rolling and track machines
- ½”-65” McElroy fusion machines
- Dataloggers
- Socket welders
- Electrofusion processors
- Extrusion welders
- Sidewall fusion machines
- De-beading tools
- Generators
- Factory certified service and repair

Fusion Training and Qualification
Our certified training instructors work to qualify your crew for necessary HDPE pipe fusion.

Our training meets the operator qualification training standard F3190 set by the American Society for Testing and Materials (ASTM).

Whether you’re in need of hand-held, electrofusion, track or rolling butt fusion equipment, we’re ready to train for correct operation in accordance with:

- ASTM F2620 (heat fusion) standards
- ASTM F1290 (electrofusion) standards

We provide qualification training on the following HDPE pipe fusion methods:

- Butt fusion
- Electrofusion
- Socket fusion
- Data logger
# HDPE SPECIFICATIONS

Fittings made to exact specifications certifies the referenced materials’ conformance to the following Standards and Specifications.

<table>
<thead>
<tr>
<th>Standard Code</th>
<th>Specification Description</th>
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<tbody>
<tr>
<td>ASTM F714</td>
<td>Standard specification for polyethylene (PE) plastic pipe (SDR-PR). Based on outside diameter</td>
</tr>
<tr>
<td>AWWA C901</td>
<td>Polyethylene (PE) pressure pipe and tubing, 3/4 in. (19mm) through 3 in. (76mm) for water service.</td>
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<tr>
<td>ASTM F2206</td>
<td>Specification for fabricated fittings of Butt-fused polyethylene plastic pipe, fittings, sheet rock plate stock or block stock</td>
</tr>
<tr>
<td>AWWA C906</td>
<td>Polyethylene (PE) pressure pipe and fittings, 4 in. (100mm) through 65 in. (1,650mm) for waterworks</td>
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<tr>
<td>ASTM D3350</td>
<td>Standard specification for polyethylene (PE) plastic pipe and fittings material</td>
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<tr>
<td>ASTM F3190</td>
<td>Standard practice for Heat Fusion Equipment (HFE) Operator Qualification on Polyethylene (PE) and Polyamide (PA) Pipe and Fittings</td>
</tr>
<tr>
<td>ASTM D3035</td>
<td>Standard specification for polyethylene (PE) plastic pipe (SDR-PR). Based on controlled outside diameter</td>
</tr>
<tr>
<td>ASTM F2620</td>
<td>Standard Practice for Heat Fusion Joining of Polyethylene Pipe and Fittings</td>
</tr>
<tr>
<td>ASTM D3261</td>
<td>Standard specification for Butt-Heat fusion (PE) plastic fitting for polyethylene plastic pipe and tubing</td>
</tr>
<tr>
<td>ASTM F1290</td>
<td>Standard Practice for Electrofusion Joining Polyolefin Pipe and Fittings</td>
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