

# LARGE DIAMETER PIPES AND FITTINGS

PE-PIPING SYSTEM FOR  
HIGH VOLUME FLOWS

## OUTSTANDING LIFE SPAN

- Corrosion-free PE reduces lifecycle costs of large diameter pipes significantly

## FAST, EFFICIENT INSTALLATION

- High flexibility, low weight and safe, secure joining methods

## FOR HIGH-VOLUME FLOWS

- Compatible fittings and pipes available up to OD 2500 mm (98.4")

## HIGH-QUALITY MATERIALS

- Selection of raw materials according to the very highest industry standards, ISO or ASTM International

## EXPERTISE IN PLASTICS PROCESSING

- Decades of experience and R&D



Agru America, Inc.  
500 Garrison Road  
Georgetown, SC 29440

T. 800-373-2478  
F. 843-527-2738  
salesmkg@agruamerica.com  
www.agruamerica.com





AGRU large diameter pipes are extruded into the sea and towed by vessels to the site.



For high volume flow applications, AGRU provides a large diameter piping system up to OD 2500 mm (98.4 in) made from PE100, PE100-RC or PE4710. The better long-term hydraulic properties, which save operation costs, are based on a high resistance to corrosion, wear and tear and UV radiation. Together with its fast and efficient installation, this is the perfect system both on- and offshore.

## Heavy-duty dimensions

With pipes available up to OD 2500 mm (98.4 in) and 600 m (1968 ft) in length and fittings, this piping system is designed for high volume flow applications such as cooling water intakes for power plants, large sewage systems, sea water desalination or mining jobs. The ductility of PE withstands water hammers and pressure surges, where other materials would crack or burst. AGRULINE large diameter pipes are available in a wide range of SDR's in accordance with recognized ISO or ASTM International pressure rating procedures.

## Outstanding life span

The AGRULINE large diameter piping system is made from tough, durable extruded polyethylene, which never corrodes. This proven maintenance-free operation saves operating costs compared to other solutions made from metallics or concrete. Furthermore, the high abrasion and UV radiation resistance ensure a prolonged life span. The most important part of a piping system is the internal surface, which is responsible for a smooth hydraulic flow. AGRULINE offers the advantages of PE, which means that internal biogrowth and incrustations are virtually non-existent, offering best long-term hydraulic properties.

## Fast, efficient installation

Polyethylene is highly flexible, lightweight and easily welded. The results are superior laying properties, allowing various installation methods both on- and offshore. The flexibility and superior toughness of AGRULINE large diameter PE pipe provides for a reliable and efficient sinking process for offshore installation. Despite their enormous size, AGRULINE large diameter pipes are lightweight, cutting down transport and installation costs on-site.

## Job site cost-effectiveness

For best-in-class logistics and overall job site efficiency, a brand new plant in Charleston, SC allows extrusion of up to 600 m (1968 ft) long pipe strings right into the sea. Such long pipelines can save significant joining and labor costs during installation; since job-site welding can be minimized or eliminated entirely. Thanks to their buoyancy in water when both ends are sealed, these pipe strings can be towed by vessels worldwide over the oceans to their final destinations. The Charleston, SC facility can also ship pipe using more traditional logistics such as truck or rail where project requirements warrant.

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