LARGE DIAMETER PIPES AND FITTINGS

PE-PIPING SYSTEM FOR HIGH VOLUME FLOWS

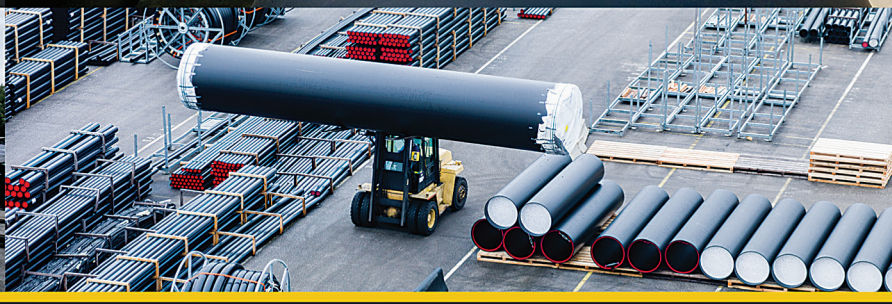
OUTSTANDING LIFE SPAN
- Corrosion-free PE reduces lifecycle costs of large diameter pipes significantly

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 in.)

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



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agru

AGRU large diameter pipes are extruded into the water 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 resins. The better long-term hydraulic properties, which save operation costs, are based on a high resistance to corrosion, wear and tear and UV radiation. These properties, together with the system's fast and efficient installation, make AGRULINE large diameter pipes the perfect solution for both on- and offshore projects.

Heavy-duty dimensions

With pipes available up to OD 2500 mm (98.4 in.) and 600 m (1,968 ft.) in length and associated fittings, the AGRULINE 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 SDRs in accordance with recognized ISO or ASTM International pressure rating procedures.

Fast, efficient installation

Polyethylene is highly flexible, lightweight and easily welded. These characteristics result in superior laying properties, allowing various installation methods both on- and offshore. The flexibility and superior toughness of AGRULINE large diameter PE pipe provide 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.

Outstanding life span

The AGRULINE large diameter piping system is made from tough, durable extruded polyethylene, which never corrodes. This proven maintenance-free design 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 bio-growth and incrustations are virtually non-existent, offering the best long-term hydraulic properties.

Job site cost-effectiveness

For best-in-class logistics and overall job site efficiency, Agru's new production facility in Charleston, SC allows extrusion of up to 600 m (1,968 ft.) long pipe strings right into the harbor. 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 via the oceans to their final destinations. The Charleston facility can also ship pipe using more traditional logistics such as truck or rail as warranted by project requirements.

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