

CryoPipe

The LOGSTOR CryoPipe is a thermal insulation system for Cryogenic pipelines to maintain a constant operating temperature down to -210°C for the complete lifetime of the system - 30 years. Typical applications would be LNG, LPG, Ethane, Oxygen and Nitrogen.

PRODUCT DESCRIPTION

- Stainless Steel inner pipe
- PUR density 85 kg/m^3 and thickness 50 - 150 mm
- HDPE casing (PE80 or PE100) 4 mm to 20 mm
- Surface Heat Gain $<25\text{ W/m}^2$
- Lambda value (@ 10°C) 0.026 W/mK
- Fire protection is available as an option
- Fiber Optic Detection system embedded in the insulation is available as an option
- Compatible welded or shrinkable field joints are available
- Bends, spools and specialty fittings can be manufactured



- A: Steel pipe
- B: PUR Foam
- C: HDPE Casing
- D: Fire Protection *
- E: Pipe Support
- F: Fiber Optic Surveillance System

* available as an option

COATING SYSTEM - MAIN FEATURES

- LOGSTOR CryoPipe system uses a specially designed polyurethane foam formulation combined with a high density polyethylene casing to ensure that long term insulation performance is maintained.
- The system offers very high insulation performance that meets EN253 and other major specifications.
- A fiber optic surveillance system is offered as an option. This makes it possible to monitor the line and detect any sign of leaking pipe or changed insulation performance at an early stage.
- LOGSTOR offers various solutions for fire-protection of the system. With this the pipe passes the ASTM E84 test with a Flame Spread Index below 25.
- Mobile plants are available to minimize logistics.
- End-to-end solutions include field joints, bends, fittings and custom spools.

PLANT CAPABILITIES

- Pipe diameter ½" to 42" (21.3 mm to 1,066.8 mm)
 - Pipe lengths 6 m to 12 m
 - Custom spools
 - Bends and fittings
 - Minimum operating service temperature -210°C
 - Maximum operating service temperature +140°C
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GLOBAL PRESENCE

LOGSTOR is a global supplier of complete pre-insulated pipe systems with a focus on providing better energy efficiency to our customers. Our business is based on years and years of experience and know-how related to insulation as a means of improving energy efficiency.

COMPANY FACTS

- Headquarters in Denmark
- More than 50 years of experience with an extensive track record
- 1.200 employees
- 7 plants and 2 mobile production units
- Distributors in more than 20 countries
- 300,000 km of insulated pipe and counting
- Complete end-to-end solution

CONTACT

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APPLICATION PROCESS

1. Washing/cleaning pipe and casing
2. Mounting spacers
3. Steel pipe is pushed inside casing pipe
4. Pipe is prepared for foaming
5. Foam injection
6. Curing
7. Cutbacks cleaning

