



Elastopipe™

A CORROSION FREE, FIRE RESISTANT FLEXIBLE PIPING SYSTEM

The guaranteed function of fire water systems is vital for safety, especially in environments where the risk for fires is higher and the consequences more fatal, such as the Oil and Energy industry, Chemical Plants, and Defense. The need for high performance, robust and dependable fire water piping solutions has never been greater.

Since the first installation of Elastopipe™ on an offshore oil platform in 1998, numerous global installations in the most demanding industrial and climatic environments, document the lifetime expectancy of more than 30 years without corrosion and with no need for maintenance.

Elastopipe™ is manufactured from reinforced synthetic rubber and is rated as a 150 lbs piping system with a design pressure up to 20 bars. The system is suited for transporting a variety of fluids and is available in two versions: Fire Resistant (FR) for fresh and seawater, and Fire and Oil Resistant (FOR) for hydrocarbons, solvents, additives, chemicals and more.

When Elastopipe™ is used for replacing traditional systems on operating facilities, Vipo offer temporary Elastopipe™ systems providing complete firewater coverage during the demolition and installation. Combined with no welding or hot work, this allows the production to continue undisturbed, without costly shutdowns, throughout the whole replacement period.



In addition, the flexibility of Elastopipe™ and predesigned support solutions reduce the installation hours and need for detailed engineering.

The elasticity of Elastopipe™ makes it less sensitive to dynamic pressure effects such as water-hammer, column collapse and vacuum. Noise and vibrations are dampened, and the pipes are less sensitive to physical damages caused by impact, explosion and freezing.



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Elastopipe™ is developed and designed to be compliant with all functional requirements of NORSOK, NFPA, ASTM and SOLAS/IMO. The tests are performed in accordance with a wide range of standards (ISO, ASME, ASTM, OTI, etc), and DNV has issued a verification report that confirms that the test results are in accordance with the test requirements. For operators of fixed offshore platforms, their internal piping specifications are the governing acceptance for use, and most Oil and Energy operators around the world have their own Elastopipe™ Piping Specification. For applications where flag state and class approval are required (ships and floating installations), Elastopipe™ has been type approved by Lloyds, ABS, RMRS and USCG.

FEATURES:

- 100% corrosion free
- Explosion, impact and jet fire resistant
- Lower total installation cost compared to rigid pipe
- Maintenance free
- Easy to install with no hot work required
- 30+ year design life
- UV resistant
- Reduces water hammer
- Minimizes marine growth compared to traditional pipes

APPLICATIONS

- Firewater distribution
- Utility systems
- Drain water
- Nitrogen distribution systems
- Chemicals and hydrocarbons transportation
- Foam systems



With over 125 years of polymer material technology expertise, Vipo offers advanced and reliable solutions for demanding situations.

The Norwegian polymer specialist develops and manufactures rubber-based fire, thermal and corrosion protection products for global industries. With a portfolio of long-established brands including Vikotherm®, Vikodeck® and Elastopipe™, Vipo's operation in Krokstadelva, Norway continues to provide innovative solutions to a variety of industries.

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