

Fiberspar LinePipe™

Lower installed and operating cost pipeline system



Whether your application is for a new sweet/sour oil or gas gathering line, or for a high-pressure water or CO₂ injection system, NOV Fiber Glass Systems spoolable pipeline system is your best performing and lowest cost alternative. No other spoolable pipeline supplier offers the range of products, diameters, pressure ratings, temperature tolerances and terrain-specific installation methods—open ditch, plowing or remediation—than does NOV Fiber Glass Systems.

Advantages

1. Composite, spoolable LinePipe is ideal for gas, oil, or multi-phase gathering applications, high-pressure water or CO₂ injection and trunk lines.
2. Suitable for a wide range of capacity and temperature requirements, LinePipe is available in 2 inch to 6½ inch nominal sizes, in pressure ratings of 500 to 3,500 psi, and is rated from -29°F (-34°C) to 140°F (60°C), 180°F (82°C) and 203°F (95°C) continuous operation.
3. Installation, operating and maintenance costs are reduced with LinePipe because it is delivered on a reel in continuous lengths [up to 9,000 ft (2,740 m)] for rapid installation, requires fewer people and equipment to install, no welds, coatings or x-rays, and because it does not corrode.
4. LinePipe deployment equipment is designed for safe, fast and efficient installation with minimum environmental disruption. LinePipe can be laid on surface, or buried in conventional open ditch construction, or by plowing. It is also perfect for installation inside of a failing steel pipeline in a remediation application, which results in minimum surface ground disturbance and significant replacement cost savings.
5. LinePipe's patented connectors provides the most reliable connection in the industry and reduces installation costs with rapid field installation using simple hand tools.
6. NOV Fiber Glass Systems expert field service technicians help ensure rapid, quality LinePipe installation by providing on-site support during the process, or Fiberspar can train an end-user's in-house crews or designated contractors in NOV Fiber Glass Systems installation standards and best practices.

Fiberspar LinePipe benefits compared to pipeline alternatives

- Fast and low-cost installation—less than half the time, with fewer people
- Eliminates corrosion and need for cathodic protection, wraps, coatings or internal chemical treatments
- Uninterrupted lengths up to 2 miles (3.2 km) without joints or connectors, ready built and ready for installation
- Improved flow characteristics compared to steel
- Light weight for safer and easier field installation

Standards and Qualifications

- Fiberspar LinePipe qualification has been conducted according to API 15HR, ASTM D2992, API 15S and CSA Z662 requirements, and/audited by CSA and Shell Global Solutions.
- One hundred percent of 42 samples harvested from working, two-year-old LinePipe installations by the Energy Resources Conservation Board met or exceeded the requirements of new pipe after testing.

Today, greater than 80 million ft (24.3 million m) of Fiberspar LinePipe is in oilfield service in a wide variety of applications. With more than 450 end-users, including most major oil and gas operators only indicates the worldwide acceptance and benefits of Fiberspar spoolable technology.

For more information contact us, or go to www.nov.com/fgs and download the latest copy of our Engineering or Installation guides.

Fiberspar™ spoolable composite pipe and fittings are covered by one or more of the following U.S. Patents: 6,016,845, 5,921,285, 6,148,866, 6,286,558, 6,357,485, 6,604,550, 6,857,452, 7,285,333, 6,004,639, 6,361,299, 6,706,348, 5,988,702 and one or more of the following Canadian Patents: 2,233,295, 2,282,358, 2,321,536, 2,409,304, 2,305,148, 2,233,345. Additional U.S. and Canadian patents are pending.

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