

Flexcord

Spoolable Pipe Built for the Most Challenging Applications

Engineered for high frequency 2,250 psi peak-to-peak pressure pulsations, combined with 10 full pressure on-off cycles of 0-1,500 psi per day with a 10x safety factor eliminating the need for de-rating in most cyclic applications.

60°C

(140°F)

Maximum Continuous Operating Temperature

2,250 psi

(ANSI 900)

Maximum Operating Pressure

Applications:

Oil, gas, water, EOR, H₂S (up to 3,000 ppm) and CO₂ (up to 100%)

Pipe Sizes:

3 and 4 inch

Length Per Reel:

525 - 615 meters (1,722 - 2,018 feet)

Installation:

Trenching, plowing, chain ditching, surface lines, horizontal directional drilling (HDD), liner pulls (remediation), shallow water applications

Quick Installation & Lower Total Life Cycle Costs

- Reinforced with high strength galvanized steel cords to handle pressure cycles and pulsations during cyclic applications
- Approximately a 50% reduction in installation crew size and up to 35% installation cost savings compared to steel pipelines

Expanded Operating Envelope

- Rigorous internal testing confirms no blistering or collapse after repeated cycles of rapid decompression at 1,000 psi/minute
- Steel cord design allows for enhanced venting of gases that permeate through the liner allowing for rapid decompression

Product Reliability & Safety

- Built to exceed the industry requirements of ASTM, API, and CSA standards
- Designed with an industry accepted safety factor which does not require de-rating

The Flexpipe Difference

- In-house engineers dedicated to ensuring Flexcord is suitable for your application to maximize service life
- Project planning, technical and field services support to ensure on-time delivery and world-class installation
- Contractor installation training allows customers better control over project timing, costs and completion



		FC901	
MAXIMUM OPERATING PRESSURE AT 60°C OR 140°F		15,510 kPa / 2,250 psi	
		3"	4"
Outside Diameter (OD)	mm in	100 3.95	129 5.07
Inside Diameter (ID)	mm in	77 3.02	99 3.90
Pipe Weight	kg/m lb/ft	5.1 3.4	8.4 5.6
Pipe Weight (Full of Water)	kg/m lb/ft	9.8 6.5	16.1 10.8
Operational Bend Radius (Minimum)	m ft	1.8 6	2.1 7
Length per Reel*	m ft	615 2,018	525 1,722
Reel Diameter	m ft	3.7 12	
Reel Width	m ft	1.2 4	2.4 8
Reel Weight - With Pipe*	kg lbs	3,820 8,415	5,560 12,260
Reel Weight - Empty	kg lbs	680 1,500	1,150 2,530
Fitting OD**	mm in	115.6 4.55	144.3 5.68
Fitting ID**	mm in	63.5 2.50	85.9 3.38



*Lengths and reel weights are approximate as they may vary depending on the manufacturing run.

**Fitting dimensions do not include OD of flange provided for flanged end fittings. Fitting OD and ID apply to flanged end, weld-neck and pipe-to-pipe coupling fittings.

Product data is subject to change without notice. Flexpipe's products are patented by US Patents 6,889,716, 6,902,205, 7,946,629 B2 and 8,042,252 B2 by Canada Patents 2,513,506, 2,513,468 and 2,562,823 and by European Patent 1592908. Additional patents are pending. Flexpipe products comply with API 15S and CSA Z662.

Mattr Ltd. is a global energy services company specializing in products and services for the pipeline and pipe services segment of the oil and gas industry and related products for petrochemical and industrial markets. The Company operates through a network of fixed and mobile manufacturing and service facilities located around the world and is valued for its integrity, technology, and proven capability to execute the most complex projects in our industry.