

Linepipe Designed to Withstand High Pressures and Corrosion

Constructed from a winning combination of high-density polyethylene, helically wound epoxy-free dry fiberglass and a protective outer jacket, Flexpipe products are safe to install thanks to smaller crew sizes and less heavy equipment requirements.

60°C - 82°C
(140°F - 180°F)
Maximum Continuous Operating Temperature

1,500 psi
(ANSI 600)
Maximum Operating Pressure

Applications:

Oil, gas, water H₂S and CO₂ (up to 100%)

Pipe Sizes:

2, 3, 4, 5 and 6"

Length Per Reel:

340 - 1,100 meters (1,115 - 3,610 feet)

Installation:

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

Quick Installation & Lower Total Life Cycle Costs

- Approximately a 50% reduction in installation crew size and up to 35% installation cost savings compared to a steel pipeline
- Impact-resistant design eliminates the need for sand packing
- 20-year UV life protects pipe while in service or storage

Expanded Operating Envelope

- Lower operating costs due to corrosion-resistant design
- Maximum operating temperature of 60° (140°F) or 82° (180°F)
- Flexpipe products are suitable for sour service applications
- Compatible with up to 50% aromatic and cycloalkane hydrocarbons
- HDPE liner provides excellent chemical resistance

Product Reliability & Safety

- Built to exceed the industry requirements of ASTM and CSA standards
- Flexpipe and Flexpipe HT product lines feature the API Monogram showcasing our commitment to high-quality products and performance and the oil and gas industry
- Connections are made with robust leak-free fittings, available in two corrosion-resistant material options
- Flexpipe products are abrasion-resistant, low friction and have higher flow rates compared to steel alternatives

FLEXPIPE & FLEXPIPE HT

The Flexpipe Difference

- In-house engineers dedicated to ensuring Flexpipe 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



		FP301 / FP301 HT					FP601 / FP601 HT				
		2"	3"	4"	5"	6"	2"	3"	4"	5"	6"
Pressure	<i>psi</i> <i>kPa</i>	750 5,171					1,500 10,342				
Temperature	<i>°C</i> <i>°F</i>	60 or 82 140 or 180			82 180		60 or 82 140 or 180			82 180	
Outside Diameter	<i>mm</i> <i>in</i>	69 2.7	97 3.8	124 4.9	157 6.2	179 7.1	73 2.9	101 4.0	130 5.1	165 6.5	191 7.5
Inside Diameter	<i>mm</i> <i>in</i>	54 2.1	77 3.0	99 3.9	125 4.9	142 5.6	54 2.1	77 3.0	99 3.9	125 4.9	142 5.6
Pipe Weight	<i>kg/m</i> <i>lb/ft</i>	1.7 4.0	2.0 7.6	4.9 12.6	8.3 20.5	10.8 26.6	2.4 4.7	4.3 9.0	6.9 14.6	11.8 24.0	15.6 31.4
Weight - Full of Water	<i>kg/m</i> <i>lb/ft</i>	2.7 1.2	5.1 1.8	8.4 2.1	13.8 3	17.8 3.4	3.1 1.2	6.0 1.8	9.8 2.1	16.1 3	21.1 3.4
Operational MBR	<i>m</i> <i>ft</i>	4 1,100	6 760	7 735	10 365	11 350	4 1,100	6	7	10	11 350
Length/reel*	<i>m</i> <i>ft</i>	3,610	2,495	2,410	1,198	1,150	3,610	700 2,300	570 1,870	340 1,115	4.3 14
Reel Diameter	<i>m</i> <i>ft</i>	3.7 12					3.7 12				
Reel Width	<i>m</i> <i>ft</i>	1.2 4		2.4 8			1.2 4		2.4 8		
Reel Weight - Full	<i>kg</i> <i>lbs</i>	2,520 5,550	2,945 6,490	4,735 10,435	4,170 9,190	5,590 12,323	3,355 7,405	3,710 8,180	5,085 11,200	4,985 10,980	6,920 15,255
Reel Weight - Empty	<i>kg</i> <i>lbs</i>	680 1,500		1,150 2,530			1,497 3,300		680 1,500		1,500 3,300
Fitting OD**	<i>mm</i> <i>in</i>	82 3.2	111 4.4	140 5.5	178 7.0	203 8	85 3.4	116 4.6	144 5.7	186 7.3	213 8.4
Fitting ID**	<i>mm</i> <i>in</i>	45 1.8	64 2.5	86 3.4	108 4.2	124 4.9	45 1.8	64 2.5	86 3.4	108 4.2	124 4.9

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

**Fitting dimensions do not include O.D. of flange provided for flanged end fittings. Fitting O.D. and I.D 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 3rd Edition, CSA Z662-19, ASTM F2686 and ASTM D2992.

Matr 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.

