

# 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.

## Quick Installation & Total Life Cycle Costs

- Approximately a 50% reduction in installation crew size and up to 35% installation costs savings compared to a steel pipeline
- Eliminate the need for sand packing
- 20 year UV protection

## Expanded Operating Envelope

- Lower operating costs due to corrosion resistant design
- Maximum operating temperature of 60°C (140°F)
- Suitable for sour service applications up to 100,000 ppm H<sub>2</sub>S compared to other composites which are limited to sweet service applications due to steel plate reinforcement design

## Product Reliability & Safety

- Higher flow rates, robust leak free fitting connections and corrosive resistance sets our products apart from other composite pipe on the market
- Flexpipe products are epoxy-free which eliminates micro-cracking
- Our products also have high abrasion resistance and fire resistant properties

60°C

(140°F) MAXIMUM CONTINUOUS OPERATING TEMPERATURE

### Applications:

Oil, gas, water, H<sub>2</sub>S (up to 100,000ppm), CO<sub>2</sub> (up to 100%)

### Length Per Reel:

750-760 meters (2,460-2,495 feet)

### Installation

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

300 psi

ANSI (150) MAXIMUM OPERATING PRESSURE

# FP 150

## 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

		FP 150	
		3"	4"
Pressure	<i>psi</i> <i>kPa</i>	300 2,068	
Temperature	<i>°C</i> <i>°F</i>	60 140	
Outside Diameter	<i>mm</i> <i>in</i>	95 3.75	122 4.80
Inside Diameter	<i>mm</i> <i>in</i>	77 3.02	99 3.90
Pipe Weight	<i>kg/m</i> <i>lb/ft</i>	2.6 1.7	4.0 7.2
Weight - Full of Water	<i>kg/m</i> <i>lb/ft</i>	7.3 4.9	11.7 7.8
Operational MBR	<i>m</i> <i>ft</i>	1.8 6	2.1 7
Lenght/reel*	<i>m</i> <i>ft</i>	760 2,495	750 2,460
Reel Diameter	<i>m</i> <i>ft</i>	3.7 12	
Reel Width	<i>m</i> <i>ft</i>	1.2 4	2.4 8
Reel Weight - Full	<i>kg</i> <i>lbs</i>	2,660 5,855	4,150 9,150
Reel Weight - Empty	<i>kg</i> <i>lbs</i>	680 1,500	1,150 2,530
Fitting OD**	<i>mm</i> <i>in</i>	110.7 4.36	139.7 5.50
Fitting ID**	<i>mm</i> <i>in</i>	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 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.

Specifications subject to change without notice. Shawcor'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. Shawcor products comply with API 15S, API 17J, CSA Z662-15, ASTM F2686 and ASTM D2992. ©Shawcor Ltd., 2021



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