



## FLEXPIPE™ & FLEXPIPE™ HIGH TEMPERATURE

### Linepipe Designed to Withstand High Pressures and Corrosion

#### QUICK INSTALLATION & TOTAL LIFE CYCLE COSTS



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

#### EXPANDED OPERATING ENVELOPE



- Two options of fiberglass reinforced products rated to 60 °C (140 °F) and 82 °C (180 °F)
- Our products are 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
- On FlexPipe HT, hot oiling is allowed at 93 °C (200 °F) for 500 hours across the product life (2 hours/month for 20 years)

#### PRODUCT RELIABILITY & SAFETY



- Built to exceed the industry requirements of CSA, API and ASTM standards
- Higher flow rates, robust leak free fitting connections and corrosive resistance sets our products apart from other composite linepipe on the market
- FlexPipe products are epoxy-free which eliminates micro-cracking
- Our products also have high abrasion resistance and fire resistant properties

#### THE SHAWCOR DIFFERENCE



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

**60° - 82° C**

**[140° F - 180° F]**

**MAXIMUM CONTINUOUS  
OPERATING TEMPERATURE**

**1,500 psi**  
**[ANSI 600]**

**MAXIMUM OPERATING  
PRESSURE**

#### APPLICATIONS:

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

#### ID SIZES:

2, 3 and 4 inch

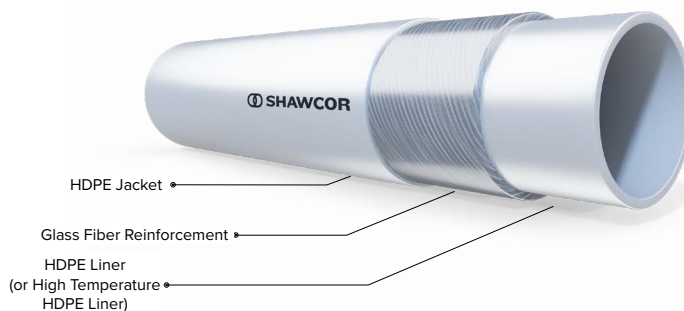
#### LENGTH PER REEL:

570–1,100 meters (1,870–3,610 feet)

#### INSTALLATION:

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

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.



		FP150		FP301/FP301 HT			FP601/FP601 HT		
MAXIMUM OPERATING PRESSURE @ 60°C OR 140°F		2,068 KPA / 300 PSI		5,171 KPA / 750 PSI			10,342 KPA / 1,500 PSI		
Nominal Size		3"	4"	2"	3"	4"	2"	3"	4"
Outside Diameter	mm	95	122	69	97	124	73	101	130
	inches	3.75	4.80	2.73	3.80	4.89	2.86	3.96	5.11
Inside Diameter	mm	77	99	54	77	99	54	77	99
	inches	3.02	3.90	2.12	3.02	3.90	2.12	3.02	3.90
Weight	kg/m	2.6	4.0	1.7	3.0	4.9	2.4	4.3	6.9
	lbs/ft	1.7	2.7	1.1	2.0	3.3	1.6	2.9	4.6
Min. Bend Radius (Operational)	m	1.8	2.1	1.2	1.8	2.1	1.2	1.8	2.1
	ft	6	7	4	6	7	4	6	7
Length / Reel*	m	760	750	1,100	760	735	1,100	700	570
	ft	2,495	2,460	3,610	2,495	2,410	3,610	2,300	1,870
Reel Diameter	m	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	ft	12	12	12	12	12	12	12	12
Reel Width	m	1.2	2.4	1.2	1.2	2.4	1.2	1.2	2.4
	ft	4	8	4	4	8	4	4	8
Reel Weight – Full	kg	2,660	4,150	2,550	2,960	4,750	3,320	3,690	5,090
	lbs	5,855	9,150	5,620	6,530	10,475	7,320	8,135	11,210
Reel Weight – Empty	kg	680	1,150	680	680	1,150	680	680	1,150
	lbs	1,500	2,530	1,500	1,500	2,530	1,500	1,500	2,530
Fitting Outside Diameter**	mm	110.7	139.7	81.5	110.7	139.7	85.1	115.6	144.3
	inches	4.36	5.50	3.21	4.36	5.50	3.35	4.55	5.68
Fitting Inside Diameter**	mm	63.5	85.9	44.5	63.5	85.9	44.5	63.5	85.9
	inches	2.50	3.38	1.75	2.50	3.38	1.75	2.50	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.

Product data is 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 RP 15S, API 17J, CSA Z662-15, ASTM F2686 and ASTM D2992. ©Shawcor Ltd., 2015

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