

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°) Maximum Continuous Operating Temperature

2,250 psi

(ANSI 900) Maximum Operating Temperature

Applications:

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

ID 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 pipeline

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 gasses that permeate through the liner allowing for rapid decompression

Product Reliability & Safety

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

FLEXCORD

The Flexpipe 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

| | | FC901 | |
|--|---------------|------------------------|--------|
| MAXIMUM OPERATING PRESSURE @ 60°C OR 140°F | | 15,510 KPA / 2,250 PSI | |
| Nominal Size | | 3" | 4" |
| Outside Diameter | <i>mm</i> | 100 | 129 |
| | <i>inches</i> | 3.95 | 5.07 |
| Inside Diameter | <i>mm</i> | 77 | 99 |
| | <i>inches</i> | 3.02 | 3.90 |
| Weight | <i>kg/m</i> | 5.1 | 8.4 |
| | <i>lbs/ft</i> | 3.4 | 5.6 |
| Weight - Full of Water | <i>kg/m</i> | 9.8 | 16.1 |
| | <i>lbs/ft</i> | 6.5 | 10.8 |
| Min. Bend Radius (Operational) | <i>m</i> | 1.8 | 2.1 |
| | <i>ft</i> | 6 | 7 |
| Length / Reel | <i>m</i> | 615 | 525 |
| | <i>ft</i> | 2,018 | 1,722 |
| Reel Diameter | <i>m</i> | 3.7 | 3.7 |
| | <i>ft</i> | 12 | 12 |
| Reel Width | <i>m</i> | 1.2 | 2.4 |
| | <i>ft</i> | 4 | 8 |
| Reel Weight - Full | <i>kg</i> | 3,820 | 5,560 |
| | <i>lbs</i> | 8,415 | 12,260 |
| Reel Weight - Empty | <i>kg</i> | 680 | 1,150 |
| | <i>lbs</i> | 1,500 | 2,530 |
| Fitting Outside Diameter* | <i>mm</i> | 115.6 | 144.3 |
| | <i>inches</i> | 4.55 | 5.68 |
| Fitting Inside Diameter | <i>mm</i> | 63.5 | 85.9 |
| | <i>inches</i> | 2.50 | 3.38 |

Lengths and 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. 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. Shawcor products comply with API 15S 3rd Edition, CSA Z662-19, ASTM F2686 and ASTM D2992.



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