

SUCTION AND SKYMMER LINE (DATA SHEET)

COFLEXIP® SUCTION OR SKYMMER LINES ARE PART OF TWO DIFFERENT AND FULLY ENGINEERED SYSTEMS. BOTH PIPES ARE INSTALLED IN ONE CONTINUOUS LENGTH WITHOUT BALLASTING OR OTHER COMPENSATION DEVICES. UNLIKE OTHER SYSTEMS, THERE ARE NO INTERMEDIATE COUPLINGS OR SWIVEL CONNECTIONS.

ITS STRUCTURE INCLUDES A THREE LAYERS COFLEXIP® PIPE WITH AN INTERNAL THERMOPLASTIC SHEATH WHICH ENSURES HIGHER PRESSURED AND FLOW RATE APPLICATIONS AND A CHEMICAL COMPATIBILITY WITH THE FLOWING PRODUCTS, AN INTERMEDIATE SPIRAL WOUND STAINLESS STEEL CARCASS WHICH FLEXES BUT NOT KINK OR COLLAPSE SO MAINTAINING ITS INTERNAL DIAMETER INTEGRITY. A FINAL OUTER THERMOPLASTIC SHEATH, RILSAN®, IS EXTRUDED OVER IT MAKING THE PIPE COMPLETELY LEAK PROOF AND RESISTANT TO MOST CHEMICALS.



THE LAY PATTERNS ARE REPEATABLE AND CAN BE CUSTOM ENGINEERED THROUGH A FEASIBILITY STUDY WHICH ANALYZES AND AVOID POSSIBLE INTERFERENCES WITH OTHER TANK INTERNAL EQUIPMENT.

THE SKYMMER LINE CAN BE INSTALLED INTO A FIX ROOF TANK TOO. THIS APPLICATION ADDS A RAFT SYSTEM PROPERLY DESIGNED TO ALLOW THE LIQUID SURFACE SKIMMING.

Suction and Skimmer line								
Nominal diameter	3"		4"		6"		8"	
Internal diameter	3.0 in	7.6 cm	4.0 in	10.2 cm	6.0 in	15.2 cm	8.0 in	20.3 cm
Outer diameter	3.9 in	9.8 cm	4.9 in	12.4 cm	6.9 in	17.4 cm	9.1 in	22.9 cm
Linear weight empty	4.4 lbs/ft	6.6 kg/m	5.8 lbs/ft	8.6 kg/m	10.2 lbs/ft	15.2 kg/m	16.8 lbs/ft	25 kg/m
Minimum bending radius (storage)	2.1 ft	0.65 m	2.7 ft	0.8 m	3.7 ft	1.1 m	4.9 ft	1.5 m
Working pressure	30 psi	2.1 bar	30 psi	2.1 bar	30 psi	2.1 bar	30 psi	2.1 bar
Test pressure	60 psi	4.2 bar	60 psi	4.2 bar	60 psi	4.2 bar	60 psi	4.2 bar
Minimum hydrostatic collapse pressure	190 psi	13 bar	145 psi	10 bar	115 psi	8 bar	87 psi	6 bar
Maximum working temperature	Up to 100°C or 212°F, depending on the type of fluid stored.							

