

# Coflexip® - Armored Steel Hose

## SURFACE EQUIPMENT

### Overview

From the worldwide leader in flexible armored hoses Coflexip®, manufactured to meet the rigors of the testing environment with successive layers of a stainless steel and thermoplastic to produce unique structures that have the strength and durability of steel pipes combined with the flexibility of reinforced rubber hoses. Each layer works independently from the others, as no vulcanization is used during manufacturing. This results in the structural stability of the pipe. Used in production testing for flow and kill lines, the hoses are Coflon® lined for higher temperature applications.

### Applicable Information

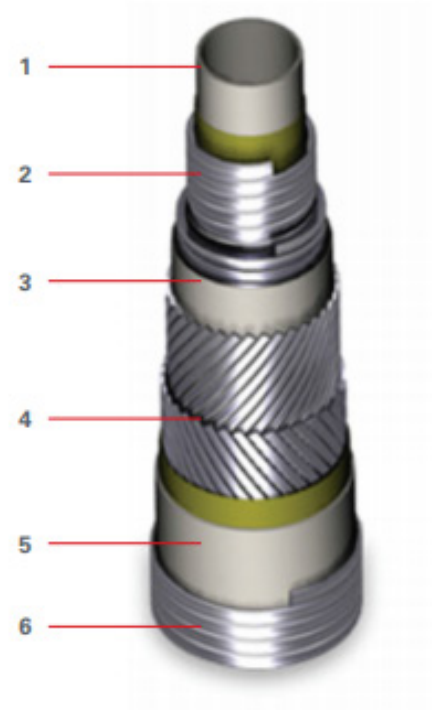
- Onshore and offshore operations
- Utilized in drillstem tests, well cleanup, and production tests
- Rated for use in sour service
- Non-vented choke and kill
- Well intervention services

### Features

- Multiple layers to provide pressure integrity and corrosion resistance
- Available in sizes from 2" to 4"
- Available with different end terminations, from hammer union to flange

### Benefits

- Allows for simpler rig ups to the surface test tree
- Eliminates multiple connections and possible leak points
- Low maintenance
- Absorbs vibrations and is corrosion free



1. The thermoplastic inner tube makes the pipe leak-tight.
2. The carcass, with interlocked zeta and flat steel spiral pressure, resists internal pressure and external crushing loads.
3. The intermediate thermoplastic sheath is an anti-friction layer.
4. The double crosswound steel armors resist axial loads and protect the pipe from torsional strain resulting from handling and working conditions.
5. The thermoplastic outer jacket protects the armors from external corrosion.
6. The stainless steel outer wrap (SSOW) protects the pipe from mechanical impact, abrasion, weathering, and accidental mishandling.



Equipment Specifications - Coflexip® - Armored Steel Hose		
Maximum allowable working pressure (psig)	10,000	15,000
Temperature Range (°F) H <sub>2</sub> X/HT	Coflon - 4 to +256	Coflon - 4 to +256
Service	H2S	H2S
Connection	API-6A flange	API-6A flange
Internal Diameter	2" / 3" / 4"	2" / 3"
Length (ft)	45', 55', 65', 100'	45', 55', 65', 100'
Weight (lbs)	1,200 to 4,300	1,200 to 4,300
Basket Dimensions (L x W x H)	10' x 8' x 4'	10' x 8' x 4'
Minimum Bend Radius	3' to 5'	3' to 5'
Applicable Specifications	NACE MR-01-75 / API 6A / API 16C / API 17J / DNV	NACE MR-01-75 / API 6A / API 16C / API 17J / DNV

- Standard Rislan® Lines: -20°C to +100°C (-4°F to + 212°F)
- High Temperature Coflon® lines: -20°C to +130°C (-4°F to + 266°F)
- Carbon Dioxide
  - For 15,000PSI Hoses with temperature rating of 130°C – CO<sub>2</sub>+H<sub>2</sub>S<10%
  - For 10,000PSI Hoses with temperature rating of 130°C – CO<sub>2</sub>+H<sub>2</sub>S<30%
  - For 10,000PSI Hoses with temperature rating of 110°C – CO<sub>2</sub>+H<sub>2</sub>S<50%