



- Fully metallic, hydroformed corrugated flexible hose for high corrosion resistance, high temperature, vacuum and pressure applications
- Smooth, electropolished internal surface to ensure ultra high purity. Electropolishing offers less particle stickiness (low Ra value)
- Perfect replacement for electropolished tubing in vibration and misalignment environments
- Excellent choice for both transportation of corrosive gases and fluids, and for connecting vacuum spaces when flexibility is required
- Available standard in AISI 316L and in Alloy 22 as an option for even better corrosion resistance performance.

CoreDux base hose range									
Nominal Hose Size [mm (in.)]	Braid Type	Hose material	Hose Inside dia. [mm (in.)]	Hose outside dia. [mm (in.)]	Minimum centre line bend radius		Working pressure** at 20°C (70°F) [bar (psig)]	Minimum Burst Pressure at 20°C (70°F) [bar (psig)]	Temp. Range [°C (°F)]
					Static [mm (in.)]	Dynamic [mm (in.)]			
DN6 1/4"	Single	316L	6,2 (0.2)	11,4 (0.4)	23 (0.9)	110 (4.3)	140 (2031)	560 (8122)	-273 - 550 (-460 -958)
DN8	Single	316L	8,5 (0.3)	15,2 (0.6)	28 (1.1)	130 (5.1)	115 (1668)	460 (6672)	-273 - 550 (-460 -958)
DN10 3/8"	Single	316L	10,4 (0.4)	17,8 (0.7)	32 (1.3)	150 (5.9)	100 (1450)	400 (5802)	-273 - 550 (-460 -958)
DN12 1/2"	Single	316L	12,4 (0.5)	20,2 (0.8)	39 (1.5)	165 (6.5)	80 (1160)	320 (4641)	-273 - 550 (-460 -958)

**Temperature derating factor should apply to working pressure. Based on ISO 10380

Cleanliness

- Standard deliveries: High Purity
- Vacuum, Ultra high purity: possible upon request and according to customer specifications

Product test

- Helium leak test (1×10^{-7} std cm³/s)
- Optional: He leaktest (1×10^{-9} std cm³/s)

Packaging

- Each hose is double bagged individually and boxed. Longer hoses are coiled, bagged and boxed.

Optional product tests

Depending on the hose configuration, the following validations are available

- Pressure decay test (high purity gas possible)
- Pressure resistance test
- Particle tests
- Residual gas analysis (RGA) for outside cleanliness
- Gas chromatography analysis
- Moisture testing (H₂O)
- Inorganic contamination analysis (ICP-MS)

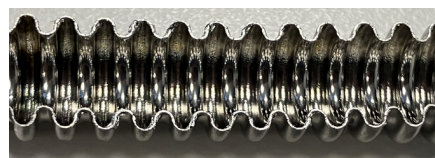
Surface Roughness*

Standard:

- Ra < 0,5 µm / 20 µin
- Ra max. < 0,8 µm / 30 µin

Improved Surface roughness possible on request, up to UHP semi F19 level:

- Ra < 0,2 µm / 8 µin
- Ra max. < 0,5 µm / 20 µin



Compliance

- EN ISO 9001
- EN ISO 10380 / ASME 31.3

*RA max. is an average value