



MAMBA B0

- Smooth surface: ultra high purity and deep vacuum environments
- Excellent choice for both transportation of ultra high purity gases and fluids, and for connecting vacuum spaces when flexibility is required
- Any connector applicable in consultation with our engineers
- Superior life time up to 50.000 cycles; five times EN ISO 10380 standard

CoreDux base hose range							
Nominal Hose Size [mm (in.)]	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.)]			
DN6 1/4"	Stainless	6,2 (0.2)	9,8 (0.35)	10 (0.4)	18 (261)	>72 (1044)	-273 (-460) - 550 (-958)
DN8	Stainless	8,5 (0.3)	13,6 (0.5)	14 (0.6)	14 (203)	>56 (812)	-273 (-460) - 550 (-958)
DN10 3/8"	Stainless	10,4 (0.4)	16,2 (0.6)	16 (0.6)	10 (145)	>40 (580)	-273 (-460) - 550 (-958)
DN12 1/2"	Stainless	12,4 (0.5)	18,6 (0.7)	24 (0.9)	12 (174)	>48 (696)	-273 (-460) - 550 (-958)
DN15 5/8"	Stainless	15,4 (0.6)	22,5 (0.9)	29 (1.1)	7,5 (109)	>30 (435)	-273 (-460) - 550 (-958)
DN20 3/4"	Stainless	20,3 (0.8)	28,3 (1.1)	35 (1,4)	4,3 (62)	>18 (261)	-273 (-460) - 550 (-958)
DN25 1"	Stainless	25,4 (1)	34,8 (1.4)	42 (1.7)	3 (44)	>12 (174)	-273 (-460) - 550 (-958)
DN32 1 1/4"	Stainless	32,3 (1.3)	43,4 (1.7)	51 (2)	3,3 (48)	>14 (203)	-273 (-460) - 550 (-958)
DN40 1 1/2"	Stainless	40,2 (1.6)	52,4 (2.1)	61 (2.4)	2,2 (32)	>9 (130)	-273 (-460) - 550 (-958)
DN50 2"	Stainless	50,5 (2)	64,8 (2.6)	73 (2.9)	2,1 (30)	>9 (130)	-273 (-460) - 550 (-958)
DN65 2 1/2"	Stainless	64,9 (2.6)	80,9 (3.2)	89 (3.5)	1,3 (19)	>6 (87)	-273 (-460) - 550 (-958)
DN80 3"	Stainless	79,6 (3.1)	99,6 (3.9)	108 (4.3)	1,4 (20)	>6 (87)	-273 (-460) - 550 (-958)
DN100 4"	Stainless	101,5 (4)	126,5 (5.)	126 (5)	0,5 (7)	>2 (29)	-273 (-460) - 550 (-958)
DN125 5"	Stainless	126 (5)	152 (6.)	147 (5.8)	0,4 (6)	>2 (29)	-273 (-460) - 550 (-958)
DN150 6"	Stainless	149 (5.87)	174 (6.9)	169 (6,7)	0,3 (4)	>1 (15)	-273 (-460) - 550 (-958)

*Values based on 316L, different materials available

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

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Packaging

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

Product test

- Helium leak test (1×10^{-5} std cm³/s)
- Additional options: he leak test 1×10^{-9} std cm³/s

Cleanliness

- Standard deliveries: White room
- Vacuum, Ultra high purity: possible upon request

Optional leak tightness validations

Depending on hose configuration, the following leak tightness validations are available

- Helium leak test (multiple methods)
- Pressure decay test (high purity gas possible)
- Pressure resistance test

Optional cleanliness validations

- Particle purity validation
- UV/A inspection outside cleanliness
- Airborne particle counter (APC) inside cleanliness
- Molecular purity (high vacuum)
- Residual gas analysis (RGA) for outside cleanliness
- Total organic carbon analysis by gas chromatography (TOC) for inside cleanliness
- Moisture testing (H₂O)

Compliance

- EN ISO 9001
- EN ISO 10380 / ASME 31.3