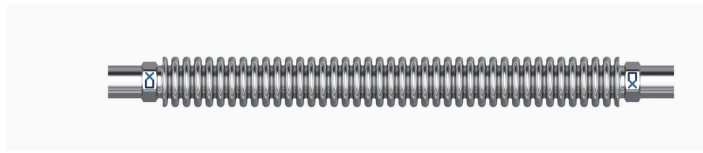


# MAMBA F B0



- Excellent choice for both transportation of ultra high purity gases and fluids, and for connecting vacuum spaces when flexibility is required
- Compressed for extra flexibility
- Smooth surface: ultra high purity and deep vacuum environments
- 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 (0.2)	9,8 (0.4)	9 (0.35)	18 (261)	>72 (1044)	-273 (-460) - 550 (-958)
DN8	Stainless	8,3 (0.3)	13,6 (0.5)	12 (0.5)	9 (131)	>36 (522)	-273 (-460) - 550 (-958)
DN10 3/8"	Stainless	10,1 (0.4)	16,2 (0.6)	14 (0.6)	6 (87)	>24 (348)	-273 (-460) - 550 (-958)
DN12 1/2"	Stainless	12 (0.5)	18,6 (0.7)	21 (0.8)	6 (87)	>24 (348)	-273 (-460) - 550 (-958)
DN15 5/8"	Stainless	15 (0.6)	22,5 (0.9)	26 (1.0)	3 (44)	>12 (174)	-273 (-460) - 550 (-958)
DN20 3/4"	Stainless	19,9 (0.8)	28,3 (1.1)	32 (1.3)	2,2 (32)	>9 (131)	-273 (-460) - 550 (-958)
DN25 1"	Stainless	24,9 (1.0)	34,8 (1.4)	37 (1.5)	1,8 (26)	>8 (116)	-273 (-460) - 550 (-958)
DN32 1 1/4"	Stainless	31,8 (1.3)	43,4 (1.7)	46 (1.8)	1,6 (23)	>7 (102)	-273 (-460) - 550 (-958)
DN40 1 1/2"	Stainless	39,6 (1.6)	52,4 (2.1)	55 (2.2)	1,2 (17)	>5 (73)	-273 (-460) - 550 (-958)
DN50 2"	Stainless	49,4 (1.9)	64,8 (2.6)	65 (2.6)	1 (15)	>4 (58)	-273 (-460) - 550 (-958)
DN65 2 1/2"	Stainless	64 (2.5)	80,9 (3.2)	80 (3.1)	0,5 (7)	>2 (29)	-273 (-460) - 550 (-958)
DN80 3"	Stainless	78,8 (3.1)	99,6 (3.9)	97 (3.8)	0,7 (10)	>3 (44)	-273 (-460) - 550 (-958)
DN100 4"	Stainless	101 (4.0)	126,5 (5.0)	113 (4.4)	0,4 (6)	>2 (29)	-273 (-460) - 550 (-958)
DN125 5"	Stainless	125,2 (4.9)	152 (6.0)	132 (5.2)	0,25 (4)	>1 (15)	-273 (-460) - 550 (-958)
DN150 6"	Stainless	148,2 (5.8)	174 (6.9)	152 (6.0)	0,2 (3)	>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

## MAMBA F B0

### Packaging

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

### Product test

- Helium leak test ( $1 \times 10^{-5}$  std cm<sup>3</sup>/s)
- Additional options: he leak test  $1 \times 10^{-9}$  std cm<sup>3</sup>/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 (H<sub>2</sub>O)

### Compliance

- EN ISO 9001
- EN ISO 10380 / ASME 31.3