

## MAMBA M

### Mamba M

- All-metal hose
- Commonly used in high-temperature vacuum applications and high-pressure corrosive environments where permeation is undesirable.

CoreDux base hose range

| Nominal Hose Size [in. (mm)] | Hose material | Braid material | Hose Inside dia. [in. (mm)] | Hose outside dia. [in. (mm)] | Minimum centre line bend radius |                     | Working pressure at 70°F (20°C) [psig (bar)] | Minimum Burst Pressure at 70°F (20°C) [psig (bar)] | Temp. Range [°F (°C)]     |
|------------------------------|---------------|----------------|-----------------------------|------------------------------|---------------------------------|---------------------|--|--|---------------------------|
|                              |               |                |                             |                              | Static [in. (mm)]               | Dynami c [in. (mm)] |  |  |                           |
| 1/4" DN006                   | 316L SS       | 316L SS        | 0,23 (5,9)                  | 0,51 (13)                    | 0,99 (25)                       | 4,33 (110)          | 3698 (255)                                   | 14792 (1020)                                       | -325 to 850 (-200 to 454) |
| 3/8" DN010                   | 316L SS       | 316L SS        | 0,39 (10)                   | 0,70 (17,8)                  | 1,5 (38)                        | 5,91 (150)          | 2103 (145)                                   | 8412 (580)   | -325 to 850 (-200 to 454) |
| 1/2" DN012                   | 316L SS       | 316L SS        | 0,47 (11,8)                 | 0,80 (20,2)                  | 1,78 (45)                       | 6,50 (165)          | 2030 (140)                                   | 8120 (560)   | -325 to 850 (-200 to 454) |
| 3/4" DN020                   | 316L SS       | 316L SS        | 0,71 (17,9)                 | 1,21 (30,7)                  | 2,76 (70)                       | 8,85 (225)          | 1813 (125)                                   | 7252 (500)   | -325 to 850 (-200 to 454) |
| 1" DN025                     | 316L SS       | 316L SS        | 0,95 (24,2)                 | 1,50 (38)                    | 3,35 (85)                       | 10,24 (260)         | 1798 (124)                                   | 7192 (496)   | -325 to 850 (-200 to 454) |

### Compliance

- EN ISO 9001
- EN ISO 10380 / ASME 31.3

### Packaging

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

### Cleanliness

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

### Product tests

- Helium leak test (1x10<sup>-5</sup> std cm3/s)
- Additional options: he leak test 1x10<sup>-9</sup> std cm3/s

## MAMBA M

### End connections



Tube adapter



MFSM (male\*)

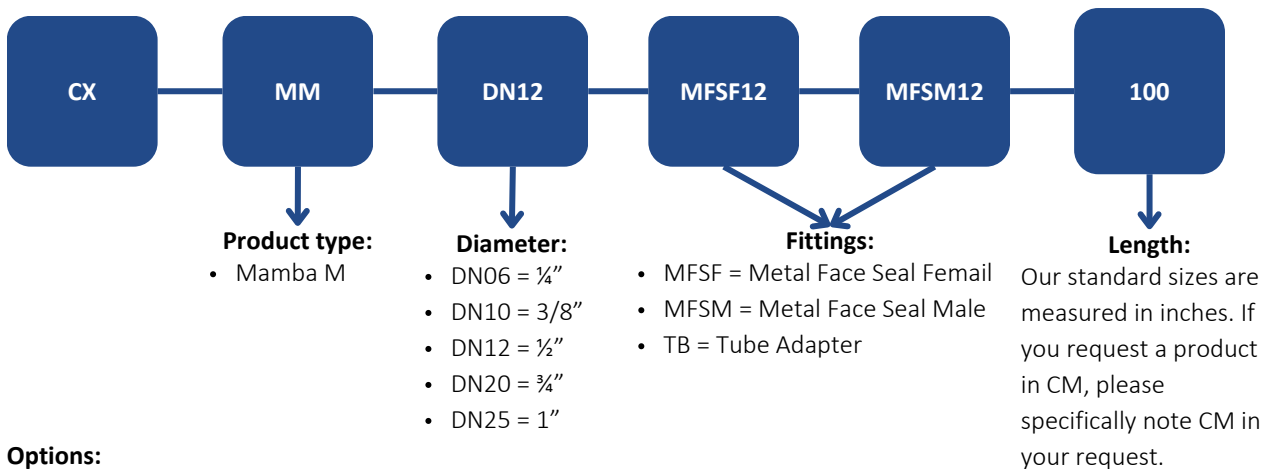


MFSF (female\*)

\*Male and female adapter not available in 3/8"  
Working pressure - temperature ratings may be limited by the end connections.

| Nominal<br>Hose Size in.(mm) | Tube Adapter             |                             |
|------------------------------|--------------------------|-----------------------------|
|                              | Stub thickness [in.(mm)] | Stub Outside Dia. [in.(mm)] |
| 1/4" DN006                   | 0,035 (0,89)             | 0,25 (6,35)                 |
| 3/8" DN010                   | 0,035 (0,89)             | 0,375 (9,53)                |
| 1/2" DN012                   | 0,049 (1,24)             | 0,5 (12,7)                  |
| 3/4" DN020                   | 0,049 (1,24)             | 0,75 (19,05)                |
| 1" DN025                     | 0,065 (1,65)             | 1 (25,4)                    |

### Ordering instructions



#### Options:

- Labelling requirements
- Ultra High purity
- Helium leak test (1x10<sup>-9</sup> cm<sup>3</sup> std/s)
- Hydrostatic test
- Nitrogen pressure test