

# ML Flex System

## TECHNICAL DATA

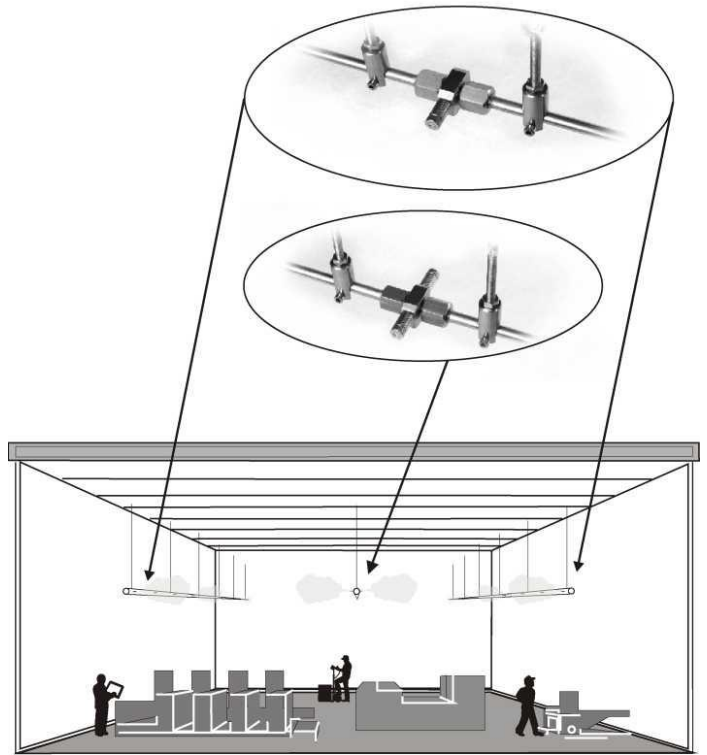
ML Flex system is well suited for humidification in the industrial and the horticultural sector, and for dust binding in rooms with high dust levels, such as the textile industry. This system can be used in explosion-proof applications.

The system is designed for flexibility and is dimensioned individually according to the room conditions.

ML Flex System enables the choice between wall or ceiling suspension.

The nozzles are mounted by T-pieces which pivot individually.







Humidity is produced as water under high- pressure is atomized into micro-sized particles, which are immediately absorbed into the surrounding air.













| SPECIFICATIONS:                   |               |
|-----------------------------------|---------------|
| Wall/Ceiling fixture              | 1 per 3 feet  |
| Weight                            | 2.7 oz./foot  |
| Material                          | 316 Stainless |
| Noise level                       | ≈ 32 dB       |
| Working pressure                  | 500-1000 psi  |
| Min. distance to ceiling          | 8 inches      |
| Min. atomizing clearance          | 5 feet        |
| Max. length (max run)             | 460 feet      |
| Max. flow                         | 400 lb/h      |
| Max. number of nozzles (5.5 lb/h) | 70            |
| Max. number of nozzles (10 lb/h)  | 40            |

| DIMENSIONING:  |                          |                            |
|----------------|--------------------------|----------------------------|
| Ceiling height | Recommended nozzle sizes | Recommended running factor |
| > 19 feet      | 10 lb/h                  | ≈ 70%                      |
| 13-19 feet     | 5.5 lb/h                 | 50-60%                     |
| 6.5-13 feet    | 3.3 lb/h                 | 50-60%                     |

## Parts and spare parts

| Item  | Part No.  |   |
|---|---|---|
| Standard tubes<br>9 54/64 inch.<br>1 ft. 7 44/64 inch.<br>2 ft. 5 34/64 inch.<br>3 ft. 3 24/64 inch.<br>6 ft. 6 47/64 inch. | 120 304 007<br>120 306 007<br>120 308 007<br>120 310 007<br>120 312 007 |     |
| Hose connection<br>without nozzles  | 120 341 007   |     |
| Hose connection with<br>double nozzles  | 120 342 007   |   |
| T-section<br>single nozzle  | 120 320 007   |   |
| T-section<br>Double nozzles   | 120 321 007   |  |
| Connection piece<br>without nozzles   | 120 340 007   |   |

| Item  | Part No.                   |   |
|---|----------------------------|---|
| End piece with double<br>Nozzles                                  | 120 330 007                |     |
| Wall fixture  | 120 318 000                |     |
| Ceiling fixture   | 120 319 000                |     |
| Fixture for 3/8" tubes<br>Used when mounting<br>on a support pipe | 730 020 280                |     |
| Stainless nozzles<br><br>0,55 Gal/H<br>0,99 Gal/H                 | 201 020 003<br>201 020 001 |   |
| Stainless nozzle<br><br>0,33 Gal/H                                | 103 200 001                |   |
| Blind nozzle  | 103 140 000                |  |
| Nozzle swivel adapter   | 25 81 276                  |   |

| Item   | Part No.                                  |   |
|--|---|---|
| O-rings<br>50 pcs.<br>100 pcs.   | 120 351 007<br>120 350 007                |  |
| Small ball valve   | 25 78 176                                 |   |
| Chain<br>19 ft. 8 14/64 inch<br>32 ft. 9 45/64 inch<br>328 ft. 1 1/64 inch | 101 101 000<br>101 100 000<br>101 104 000 |   |