



nano F<sup>6</sup>: Compressed Air & Gas Filters

# MEL 1500

## 1500 scfm Mist Eliminator

Exceptional performance, reliability and durability with a low operating cost are all essential in a compressed air system. The nano F<sup>6</sup> MEL range of mist eliminators delivers all this and more. With a service life of over 10 years and an initial pressure drop of less than 0.5 psig, utility-rebate friendly MEL provides the most economic value on the market for general purpose protection.

| GENERAL CHARACTERISTICS                                     |                                |
|---|--------------------------------|
| Rated capacity (scfm) <sup>(1)</sup>                        | 1500                           |
| OPERATING LIMITS  |                                |
| Recommended operating temperature range (°F)                | 60 to 180                      |
| Design operating temperature range (°F)                     | 35 to 248                      |
| Design operating pressure range (psig)                      | 20 to 150                      |
| FILTRATION  |                                |
| Initial differential pressure (psig)                        | less than 0.5                  |
| Recommended pressure differential for element change (psig) | 1.0                            |
| Filtration performance                                      | 0.3 micron @ 99.97% efficiency |
| AIR CIRCUIT   |                                |
| Air circuit connections (NPT)                               | 4"                             |
| ISO class   | 2.7.3                          |

(1) At 100 psig. For all other pressures, contact support@nano-purification.com.

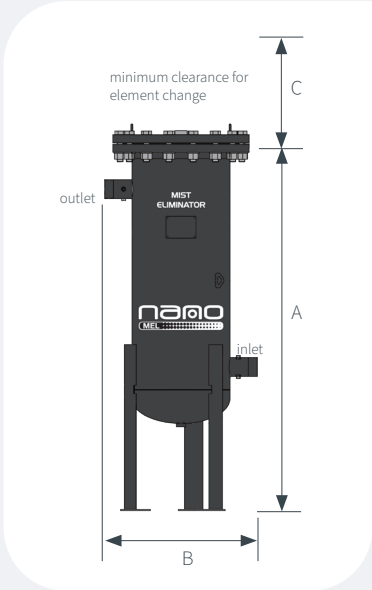


### Features

| HOUSING FEATURES  |  |
|---|--|
| <ul style="list-style-type: none"><li>Differential pressure gauge kit supplied as standard for on-site installation.</li><li>Heavy duty pressure vessel built in accordance with latest edition of section VIII Div 1 ASME Code.</li><li>Long service life for 10+ years.</li><li>External powder coated as standard; optional interior powder epoxy coating for corrosive environments.</li><li>Pleated glass fiber coalescing media is 99.97% efficient with particle removal down to 0.3 micron including coalesced liquid water and oil.</li><li>Automatic drain vent ports and safety valve port included as standard.</li></ul> | <ul style="list-style-type: none"><li>Element is reinforced with epoxy coated steel wire and epoxy potting compound with perforated metal core for additional support and protection.</li><li>Pleated media has a far greater surface area for filtration, providing lower pressure drop when compared to a conventional wrapped element.</li><li>Energy efficient units are utility rebate-friendly.</li><li>Serviceability without inlet &amp; outlet pipe disruption.</li></ul> |

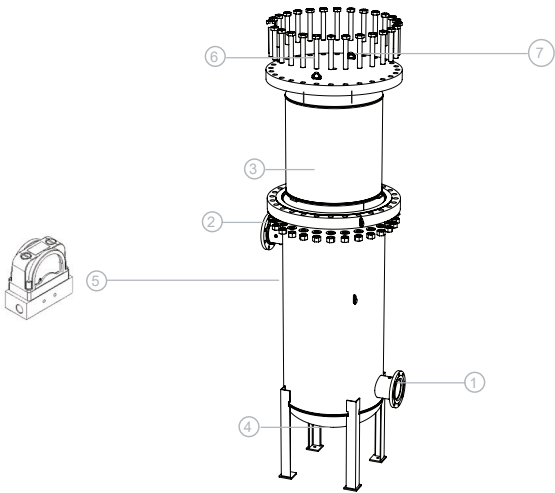
### Dimensions & Weight

| DIMENSIONS AND WEIGHT |      |
|-----------------------|------|
| A (ins)               | 71.0 |
| B (ins)               | 28.0 |
| C (ins)               | 22.5 |
| Weight (lbs)          | 662  |



Product Overview

| NUMBER | DESCRIPTION                     |
|--------|---------------------------------|
| 1      | compressed air inlet            |
| 2      | compressed air outlet           |
| 3      | element                         |
| 4      | drain port                      |
| 5      | differential pressure indicator |
| 6      | top lid                         |
| 7      | lifting lugs                    |



Technical specifications subject to change without notice.  
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