



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

# MEL 0500

## 500 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>	500
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)	3"
ISO class	2.7.3

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

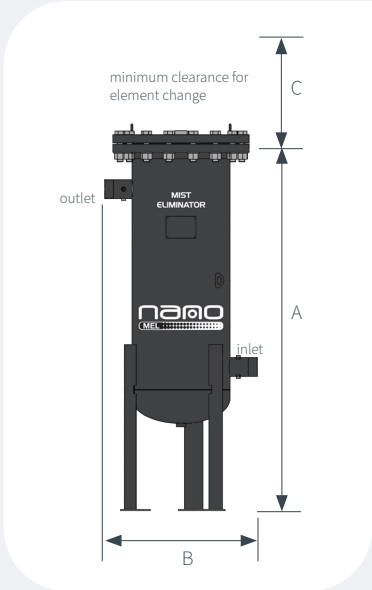


## Features

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>

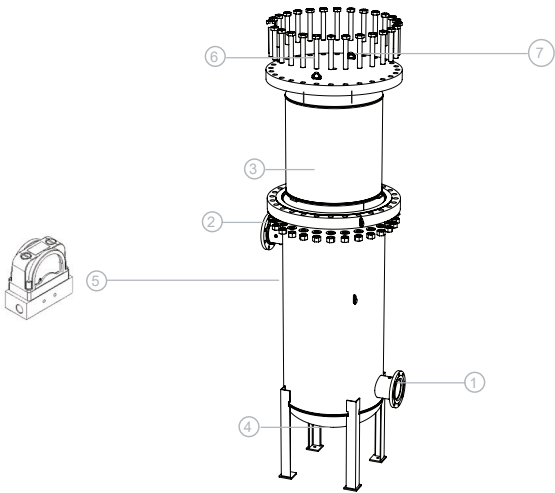
## Dimensions & Weight

DIMENSIONS AND WEIGHT	
A (ins)	61.0
B (ins)	20.0
C (ins)	22.0
Weight (lbs)	359



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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