



nano F⁶: Compressed Air & Gas Filters

MEL 5000

5000 scfm Mist Eliminator

Exceptional performance, reliability and durability with a low operating cost are all essential in a compressed air system. The nano F⁶ 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) ⁽¹⁾	5000
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)	6"
ISO class	2.7.3

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

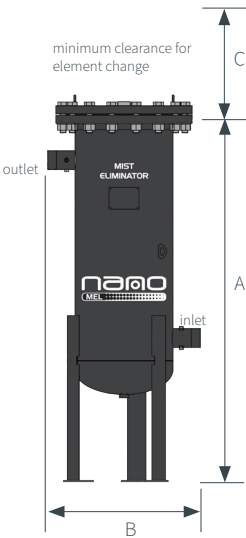


Features

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

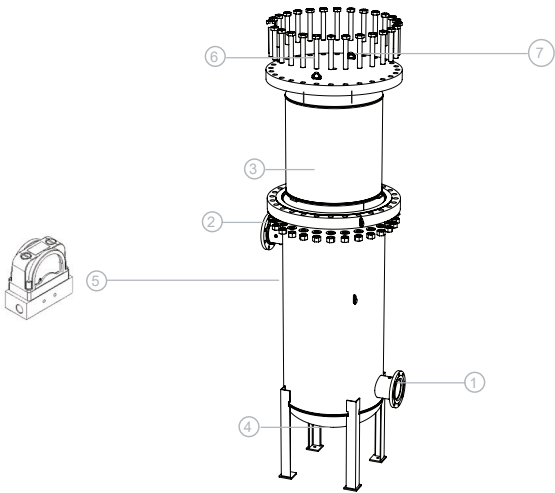
Dimensions & Weight

DIMENSIONS AND WEIGHT	
A (ins)	90.0
B (ins)	42.0
C (ins)	29.5
Weight (lbs)	2378



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.
Publication Reference: MEL5000-US-EN-Version-000
©2024 Air & Gas Solutions LLC



nano-purification solutions
www.nano-purification.com

United States
Charlotte, North Carolina
Phone: +1 704 897 2182
Email: support@nano-purification.com

United States | Canada | United Kingdom | Germany | Singapore