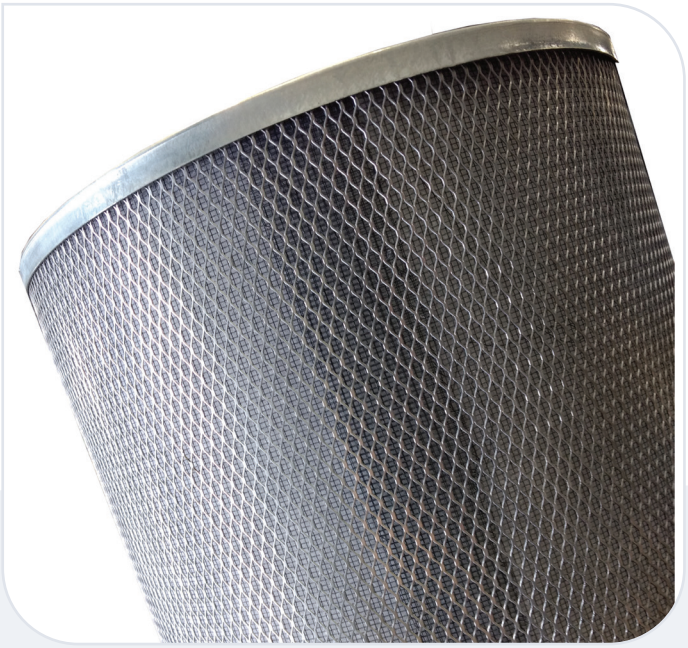
Mist Eliminators

Features

- Achieves same high efficiency filtration as conventional downstream filters with a service life of 10+ years.
- Pleated glass microfiber coalescing media is 99.97% efficient with a particle removal down to 0.3 micron including coalesced liquid water and oil.
- Typically located after an oil lubricated compressor to provide optimum protection in the result of a catastrophic failure of the compressor's air/oil separator.
- High efficiency and initial low pressure drop of less than 0.5 psig means units are utility rebate-friendly due to pleated media design v. conventional wrapped elements.
- Heavy duty pressure vessel built in accordance with latest edition of VIII Div 1 ASME Code.
- External powder epoxy coated as standard
- Zero air loss drain (shipped loose)
- Serviceability without inlet & outlet disruption
- Automatic drain vent ports and safety valve port included as standard.

Element Reinforcement



Reinforced with epoxy coated steel wire and epoxy potting compound with perforated steel for additional support.

DPG as Standard

Differential pressure gauge (DPG) mounted and piped for ease of trouble shooting.

nano F^{6}: MEL Mist Eliminators

MODEL	INLET & OUTLET	RATED FLOW [1]	DIMENSIONS (INCHES)			APPROX. WEIGHT	REPLACEMENT ELEMENT
	NPT/Flg	SCFM	A	B	C	LBS	PART NO.
MEL 0250	2”	250	54	20	15.5	336	E 0250
MEL 0500	3”	500	61	20	22	359	E 0500
MEL 1000	3”	1000	69	28	22.5	620	E 1000
MEL 1250	3” Flg	1250	71	28	22.5	654	E 1250
MEL 1500	4” Flg	1500	71	28	22.5	662	E 1500
MEL 3000	4” Flg	3000	84	36	29.5	1161	E 3000
MEL 5000	6” Flg	5000	90	42	29.5	2378	E 5000

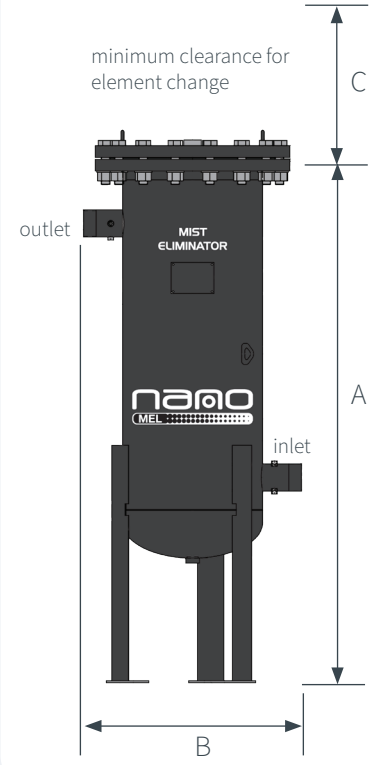
SPECIFICATIONS	
Recommended operating temperature range (°F)	68 to 180
Design operating temperature range (°F)	35 to 248
Design operating pressure range (psig)	20 to 150
Initial differential pressure (psig)	less than 0.5
Recommended pressure differential for element change (psid)	1.0
Filtration performance	0.3 micron @ 99.97% efficiency
ISO air quality class (solids, water, oil) (ISO class)	2.7.3

PRESSURE CORRECTION FACTORS								
Operating pressure (psig)	20	30	40	60	80	100	120	150
Correction factor	0.35	0.44	0.54	0.70	0.84	1.00	1.10	1.25

(1) At 100 psig. For all other pressures, refer to the pressure correction factors above.

(2) For condensate drain options, consult nano.

(3) Technical specifications subject to change without notice. Direct inquiries to support@nano-purification.com or contact 704.897.2182.



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