

Mist Eliminators ME Filters

150 to 12,000 scfm



- Energy saving
- Long service life (10-15 years before element change)
- 5 year performance guarantee

Sullair's Mist Eliminators

The time-tested range of Sullair Mist Eliminators combine extensive research and development with decades of experience in compressed air treatment.

Sullair now offers the ideal solution to ever increasing demands from industry for clean, high quality compressed air, efficient removal of oil-mist carryover from piston or oil flooded rotary compressors.

Compressed air processing equipment must have a very low pressure drop, long service life, and be strong enough to withstand the most harsh operating conditions. Protection from slugs of oil or compressor air/oil separator failure is essential.

The range of Mist Eliminators is specifically designed to meet these demands and will optimize oil removal while ensuring extremely low pressure drop and long service life.

Element

- Ultra low 0.5 psid.
- High load factor compared to conventional hand packed media which is prone to inconsistent performance under varying load conditions.
 - Provides 9–10 times greater filtration surface area, greater dirt holding capability, and lower pressure drop.
 - Eliminates migration of airflow to area of least resistance, also known as “channeling”.
 - Eliminates the shedding of media.
 - Consistent quality.

- Strong stainless steel support sleeve construction.
 - Eliminates rust and corrosion which can contaminate the air system.
 - Integral support of the filtration media to eliminate bypass of contaminants.
- For the removal of particles down to 1 micron including coalesced liquid water and oil providing a maximum remaining oil aerosol content of 0.5 ppm.

Special machine pleated element construction

The machined pleating of the filter media increases its stability under changing loads and reduces the specific surface tension.

Low pressure drop and running costs

The Sullair Mist Eliminator's pressure drop is one of the lowest available at 0.5 psi which is typically 4 psi lower than conventional filters. This provides significant energy savings as on average every 2 psi pressure drop in the system equals a 1% loss in compressor horsepower.

Therefore annual energy savings would be:

4 psi = 2% Savings in lost compressor power

Annual energy savings on 100 hp system

$\$0.05/\text{kWh} \times 8760 \text{ hours} \times 74.6 \text{ kW} \times 2\% = \$ 653$

$\$0.08/\text{kWh} \times 8760 \text{ hours} \times 74.6 \text{ kW} \times 2\% = \1046

$\$0.10/\text{kWh} \times 8760 \text{ hours} \times 74.6 \text{ kW} \times 2\% = \1307



5 year
PERFORMANCE
GUARANTEE

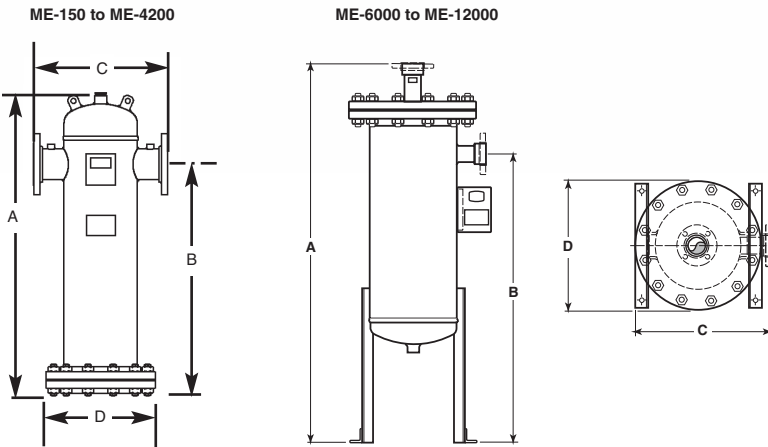
5 Year Performance Guarantee that the differential pressure will not exceed 1 psid

Specifications

Type	Capacity @ 100 psig	Dimensions				In/Out Connections	Drain Port	Weight Lbs
		"A"	"B"	"C"	"D"			
ME-150	150	17-3/4"	26"	8-3/4"	10"	2" FLG	1/2"	184
ME-300	300	17-3/4"	33"	8-3/4"	16"	2" FLG	1/2"	210
ME-600	600	17-3/4"	48"	8-3/4"	27"	2" FLG	1/2"	280
ME-800	800	19-3/4"	40"	8-3/4"	20"	3" FLG	1/2"	342
ME-1200	1200	19-3/4"	50"	10-1/4"	27"	3" FLG	1/2"	392
ME-1600	1600	19-3/4"	50"	10-1/4"	27"	3" FLG	1/2"	397
ME-2100	2100	24"	56"	12-5/8"	25"	4" FLG	1/2"	544
ME-2750	2750	24"	56"	12-5/8"	25"	4" FLG	1/2"	545
ME-4200	4200	31-1/8"	55-3/8"	10-5/8"	26"	6" FLG	1/2"	723
ME-6000	6000	83-1/2"	68"	30-1/2"	27-1/2"	6" FLG	1	C/F
ME-8000	8000	84-12"	66"	34-3/4"	32"	8" FLG	1	C/F
ME-10000	10000	88"	68"	34-3/4"	32"	10" FLG	1	C/F
ME-12000	12000	109-1/4"	88-1/2"	34-3/4"	32"	12" FLG	1	C/F

For higher capacities, consult factory.

Sullair is committed to a program of continuous improvement. Features and specifications may change without notice. Consult your Sullair representative or authorized Sullair distributor.



Housing

- ASME approved
- CRN approved
- Incremental differential pressure gauge standard
- Condensate drain options

Maximum operating pressure:	260 psig
Maximum operating temperature:	200°F
Minimum operating temperature:	35°F
Initial clean pressure drop:	.05 psig

Line Pressure psig	20	30	40	60	80	100	120	150
Correction Factor	0.45	0.55	0.63	0.77	0.89	1.0	1.1	1.22

For flow rates at other pressures, apply the factor shown to the above flow rates.

Sullair Supplies Compressed Air Systems

For the lowest total cost of ownership, Sullair provides an air system designed to lower operating cost, improve reliability and maximize return on investment.



Sullair offers air systems to help compressed air users reduce their energy costs and improve their productivity by analyzing, managing and controlling total compressed air systems. Information on the compressed air system tailored to your specific needs can be obtained by contacting your local Sullair Distributor. To acquire local distributor contact information visit us online at www.sullair.com or call 219-879-5451.



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