CompAir

CME Series
Mist Eliminators

CME Series

- The Auditor's Choice to reduce energy costs and remove oil and water aerosols from compressed air systems
- Protect products and processes from contamination
- Increase the life of pneumatic equipment
- Help eliminate paint appearance and adhesion problems
- Keep pneumatic instruments operating

Low Operating Costs

- Operates at pressure drops of 0.5 to 1 psi compared to competive coalescing filters which operate at pressure drops of 3 to 6 psi, resulting in up to 2.5% in power savings
- Long element life: 8 to 15 years
  With a large in-depth bed, element life is much longer than conventional oil removal filters
- Virtually maintenance free

Extra Protection

- Captures and retains large slugs of oil and water, should drain trap fail
- Protects downstream equipment from contamination should oil separator on compressor fail

Removes Submicronic Particles for Ultra Clean Air

- 100% of particles 3 microns and larger
- 99.98% of particles 0.1 micron and larger
- 0.5 ppm w/w maximum liquid content after filtration
- 1000 ppm maximum inlet liquid loading

Superior Installation Flexibility

- Twelve (12) inlet positions to better adapt to your piping arrangement
- Inlet piping clears vessel diameter to prevent element removal complications
- Flanged inlet connection ensures easy access to element
- Dedicated vent connection port for clean, easy demand drain trap installations

Engineered to Save

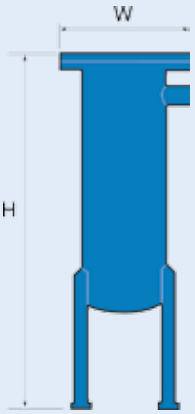
Specifications

MODEL NUMBER	FLOW @ 100 PSIG (7 KGF/CM²)		MAXIMUM WORKING PRESSURE	MAXIMUM OPERATING TEMPERATURE	REPLACEMENT CARTRIDGE	DIMENSIONS				CONNECTIONS	WEIGHT	
						HEIGHT		WIDTH				
	SCFM	M³/H				IN	MM	IN	MM		LBS	KG
CME0125	125	200	150 psig (14.1 kgf/cm²)	150°F (66°C)	CME0125E	34.8	884	18.0	457	2" NPT	185	84
CME0250	250	440			CME0250E	34.8	884	18.0	457	2" NPT	190	86
CME0500	500	870			CME0500E	45.0	1143	18.0	457	2-1/2" NPT	220	100
CME1100	1100	1910			CME1100E	63.3	1608	23.8	605	4" ANSI FLG	350	159
CME1500	1500	2600			CME1500E	70.8	1789	25.8	655	4" ANSI FLG	390	177
CME2100	2100	3650			CME2100E	72.4	1839	31.8	808	4" ANSI FLG	700	318
CME2400	2400	4170			CME2400E	72.4	1839	31.8	808	4" ANSI FLG	715	324
CME3000	3000	5210			CME3000E	72.4	1839	31.8	808	4" ANSI FLG	730	331

Correction factors for Inlet Pressure

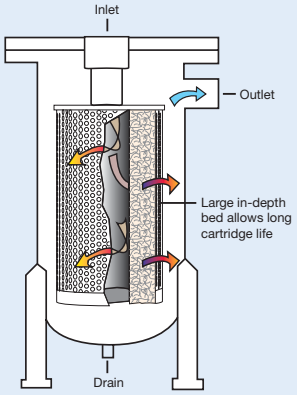
INLET PRESSURE		MULTIPLIER
PSIG	KGF/CM²	
20	1.4	0.30
30	2.1	0.39
40	2.8	0.48
60	4.2	0.65
80	5.6	0.82
100	7.0	1.00
120	8.4	1.17
150	10.5	1.43

Sizing: Maximum air flow at 100 psig (7 kgf/cm²) is indicated in the Specifications table. To determine maximum air flow at pressures other than 100 psig (7 kgf/cm²), multiply flow at 100 psig (7 kgf/cm²) by the multiplier from Table 2 that corresponds to the minimum operating pressure at the inlet to the filter.



★ ★ ★
Premium
WARRANTY
5 year full product warranty
5 year element life guarantee

Parts and labor included. Contact your local distributor for more details.



Standard Features

- Differential pressure gauge
- Heavy duty ASME stamped pressure vessel
- Long life mist eliminator element
- Floor stand

Options

- Automatic no-air-loss condensate drains
- Differential pressure gauge with reed switch

Advanced Filter Bed Technology

Compressed air is directed through a loosely packed bed of highly engineered, water resistant glass fibers. Water droplets and oil aerosols entrained in the air stream are captured by the fibers through the mechanisms of direct interception, inertial impaction, and interception resulting from Brownian motion. The captured aerosols move along the fibers and coalesce into larger droplets that gravitate to the bottom of the housing and are discharged from the system by an optional automatic drain valve.

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