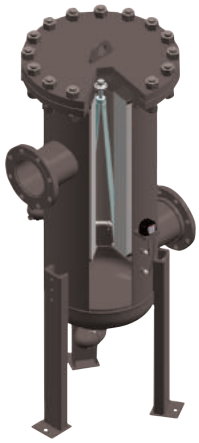
ELM Series

Downstream Equipments

DALGAKIRAN
COMPRESSED AIR TECHNOLOGIES

ELM 150 / 300 / 600 / 800 / 1200 / 1600 / 2100 / 2750 / 4200 / 6000 / 8000 / 10000 / 12000

Mist eliminator capture the oil mist inside the compressed air. It's prefered because of the low pressure loss at high capacity applications.



> APPLICATIONS INCLUDE

- Capturing oil fog, mist, or smoke from exhaust and pressure unloading vents on oil flooded compressors, vacuum pumps and blowers
- Any application requiring Low Delta P coalescing of large air volumes
- Vacuum Freeze Drying
- Vacuum Out - Gasing
- Vacuum Coating
- Food Processing
- Nailers / Staplers
- Industrial Vacuum Processes
- Cement & Paper Processing

> DESIGN

Mist Eliminators are designed to meet the demand for:

- Efficient removal of oil-mist carryover from piston or oil flooded rotary compressors
- Long service life
- Strength to withstand strenuous operating conditions
- Protection from oil slugs or compressor Air/ Oil separator failure

> FEATURES

- Very Low pressure drop
- Large oil catching efficiency
- Easy field cleaning
- Positive sealing O-rings
- Temperature (continuous) 4 °C (40 °F) min. 80 °C (176 °F) max.
- Auto Float Drain is Standard
- Multiple drain Style Options Available
- Pressure Rating of 14 barg (200 psig)
- Removal of particles down to 0.01 micron including coalesced liquid water and oil providing a maximum remaining oil aerosol content of 0.01 ppm
- Increased surface area in a given volume allows low velocity separation of ultra fine oil mist
- Elements are grounded to canister minimizing static electricity problems

TECHNICAL DATA

MODEL	DRAIN PORT SIZE	INLET/OUTLET PORT SIZE	FLOW RATE		ELEMENT MODEL	HOUSING DIMENSIONS (mm)							
			(m^3/h)	(scfm)		A	B	C	D	ØE	ØE	G	H
ELM 150	1/2"	DN50	255	150	14	500	1003	209	459	203	103	305	330
ELM 300	1/2"	DN50	510	300	14	500	1105	209	559	203	103	407	435
ELM 600	1/2"	DN50	1020	600	14	500	1461	209	916	203	103	762	790
ELM 800	1/2"	DN80	1360	800	14	500	1655	279	1084	203	103	915	950
ELM 1200	1/2"	DN80	2040	1200	14	600	1520	281	931	254	103	762	790
ELM 1600	1/2"	DN80	2720	1600	14	600	1671	281	1086	254	103	915	950
ELM 2100	1/2"	DN100	3570	2100	14	700	1575	335	953	300	129	762	790
ELM 2750	1/2"	DN100	4675	2750	14	700	1726	335	1100	300	129	915	950
ELM 4200	1/2"	DN150	7140	4200	14	800	1670	393	983	365	181	762	790
ELM 6000	1/2"	DN150	10200	6000	14	800	1925	393	1258	365	181	950	1045
ELM 8000	1/2"	DN200	13600	8000	14	850	2020	417	1277	386	233	1016	1045
ELM 10000	1/2"	DN250	17000	10000	14	1000	2118	417	1307	407	337	1016	1045
ELM 12000	1/2"	DN300	20400	12000	14	1000	2688	497	1847	437	337	1524	1550

CORRECTION FACTOR

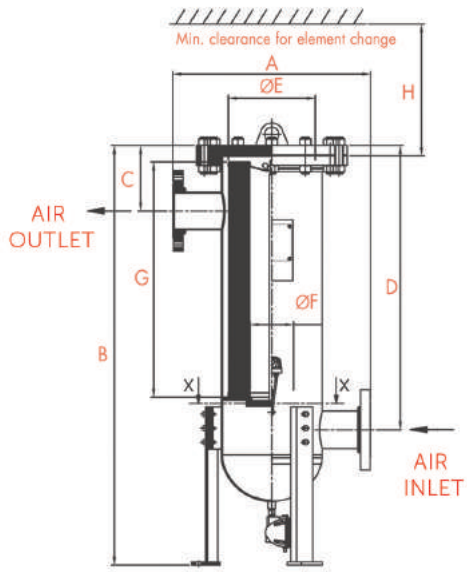
For maximum flow rate, multiply model flow rate show in the below table by the correction factor corresponding to the working pressure.

OPERATING PRESSURE (barg)	1	3	5	7	9	11	13	14
PSIG	15	44	73	100	131	160	189	200
CORRECTION FACTOR	0,5	0,71	0,87	1	1,12	1,22	1,32	1,38

DRAIN TYPE
Electro-adjustable
External float type
Zero-loss drain
Manual

> MIST ELIMINATOR ELEMENT

- Ultra low pressure drop reduces energy costs.
- Positive gasket seals eliminate media bypass
- Filter change out differential 2.5 psig (170 mbar)
- True Air / Oil Separator
- Long service life



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