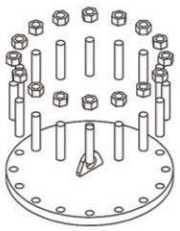
STYLAIR
Compressed Air & Gas
Drying and Filtration Equipment
P.O. Box 7014 • Plainville, CT • 06062 Ph (860) 747-4588 Fax (860) 793-9730

High Efficiency Mist Eliminator Air Filters

Applications include

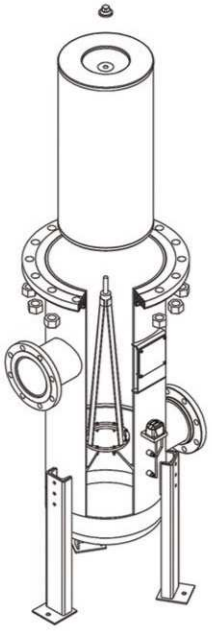
- Capturing oil fog, mist, or smoke from exhaust and pressure unloading vents on oil flooded compressors, vacuum pumps and blowers
- Any application requiring Low Delta P coalescing of large air volumes
- Vacuum Freeze Drying
- Vacuum Out - Gasing and Vacuum Coating
- Food Processing
- Nailers/Staplers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



Design

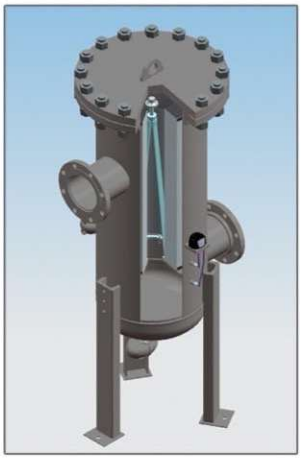
Mist Eliminators are designed to meet the demand for:

- 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) 36°F min. 176°F max.
- Auto Float Drain is Standard
- Multiple drain Style Options Available
- Pressure Rating of 200 psi
- 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



Mist Eliminator Element

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

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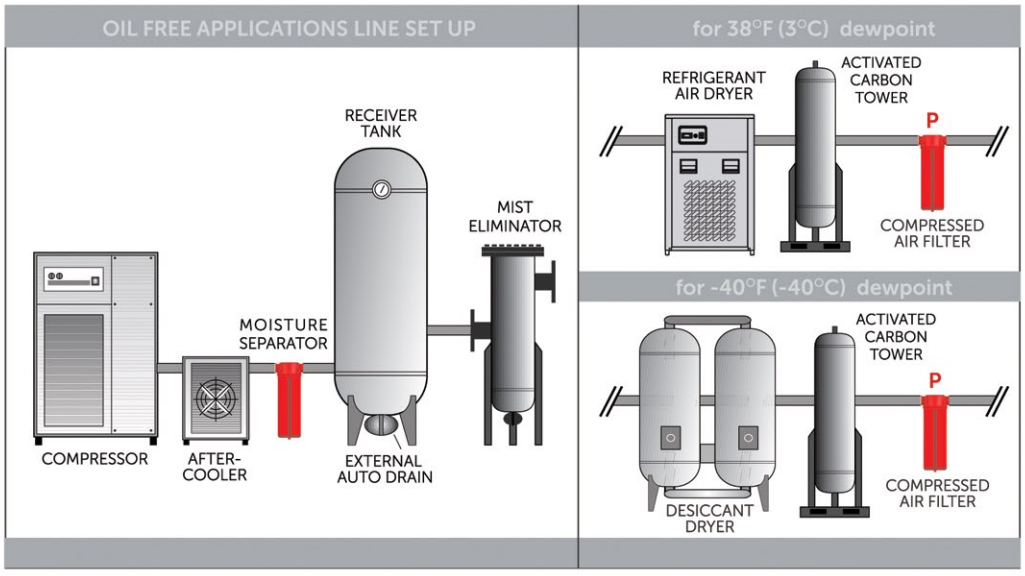
Technical specifications

Model	Drain Port Size (NPT)	Inlet/Outlet Port Size (FLG)	Flow Rate (scfm)	Max. working pressure (psi)	Housing Dimensions (inch)							
					A	B	C	D	ØE	ØF	G	H
US-150	1/2"	2" FLG	150	200	19.7"	39.87"	8.34"	18.2"	17"	4	12	13"
US-300	1/2"	2" FLG	300	200	19.7"	43.87"	8.34"	22.2"	17"	4	16	17"
US-600	1/2"	2" FLG	600	200	19.7"	57.87"	8.34"	36.2"	17"	4	30	31"
US-800	1/2"	3" FLG	800	200	19.7"	65.27"	11.1"	42.8"	17"	4	36	37"
US-1200	1/2"	3" FLG	1200	200	23.6"	60.17"	11.15"	36.75"	19"	4	30	31"
US-1600	1/2"	3" FLG	1600	200	23.6"	66.17"	11.15"	42.85"	19"	4	36	37"
US-2100	1/2"	4" FLG	2100	200	27.56"	62.42"	13.3"	37.5"	22.3"	5	30	31"
US-2750	1/2"	4" FLG	2750	200	27.56"	68.42"	13.3"	43.43"	22.3"	5	36	37"
US-4200	1/2"	6" FLG	4200	200	31.5"	65.67"	15.4"	38.63"	24.3"	7,1	30	31"
US-6000	1/2"	6" FLG	6000	200	31.5"	75.67"	15.4"	48.67"	24.3"	7.1	37.4	41"
US-8000	1/2"	8" FLG	8000	200	33.5"	79.42"	16.3"	50.2"	26.3"	9.17	40	41"
US-10000	1/2"	10" FLG	10000	200	39.4"	83.47"	18.9"	51.55"	30.3"	13.2	40	41"
US-12000	1/2"	12" FLG	12000	200	39.4"	105.92"	19.65"	72.8"	30.3"	13.2	60	61"



Correction Factor

Operating Pressure (barg)	1	3	5	7	9	11	13	14
PSIG	15	44	73	100	130	160	189	200
Correction Factor	0.5	0.71	0.87	1	1.12	1.22	1.32	1.38

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

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

Correction Sample:
if an compressor delivers 1300 scfm at 130 psi please choose your Filter model as follow:
1300 scfm / 1.12 = 1160 scfm