Mist Eliminator

High Efficiency Heavy-Duty Coalescing Filter

Long Life and Low Pressure Drop

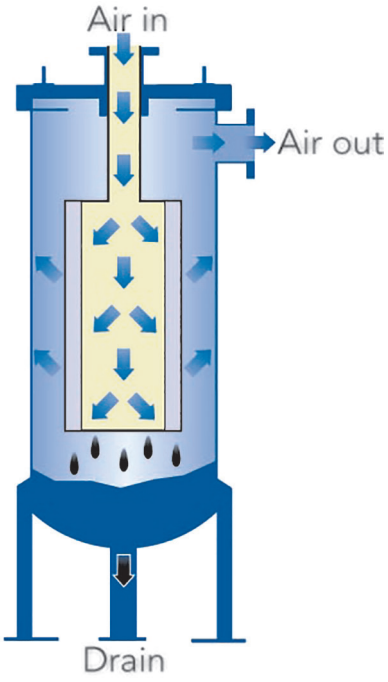
The Quincy Mist Eliminator is a heavy-duty coalescing type filter engineered to efficiently remove oil, particulate, and water from compressed air. By using a combination of impaction, interception and Brownian Movement, the Quincy Mist Eliminator achieves 100% efficiency in removing particles 3 micron and larger, 99.8% of 0.1 micron and larger and 99.5% of 0.01 micron and larger. Typical pressure drop is less than 1 psig. Average element life in continuous service is 10 years. A 10-year element life can be achieved in relatively clean environments.

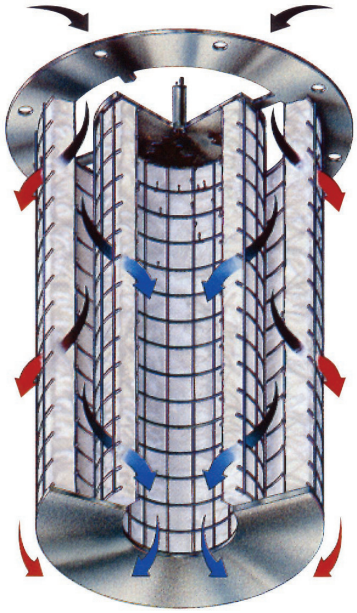
- Lower pressure drop compared to conventional coalescing and particulate filters (average 1 psig versus 6 psig). Higher pressure drops require the compressor to operate at an elevated pressure, therefore requiring more power. Every 2 psig reduction in pressure saves approximately 1% air compressor power based on 100 psig operating pressure. Quincy Mist Eliminator could easily save in excess of $1,500 per year in air compressor electrical energy (based on 8,000 hours per year operation, $0.07 per Kw hour, 100 hp compressor and a 93% motor efficiency).
- Large tank volume captures and retains inadvertent lubricant discharge caused by compressor separation system malfunction, which protects downstream equipment.
- Average element life of 10 years versus 6 months for conventional coalescing and particulate filter elements reduces maintenance and waste disposal.

Unique Double Element Design

1,500 cfm through 15,000 cfm models utilize a space-saving double element design (see Figure 2). Using a double nesting technique, the Quincy Mist Eliminator offers high efficiency separation in a low profile package. By nesting an element inside an element, total surface area is greater than conventional single element designs. Due to reduced overall height, the Quincy Mist Eliminator can be installed in locations where conventional single element designs cannot. For example, a 10,000 cfm Quincy Mist Eliminator low profile design is only 118 inches tall. Compare this to other single element designs that are 210 inches tall. That's a reduction of over 7 feet in overall height! Imagine the savings in time and convenience when you change the element or service the unit.

All Quincy Mist Eliminator tanks are ASME coded and stamped. Standard equipment includes a calibrated differential pressure gauge and enamel paint. No Loss Demand Drains are optional. Pressure relief valves are not included but may be required by local codes.





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Specifications & Engineering Data

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Model	SCFM at 100 PSIG	Max. PSIG	Dimensions Removal		Min. Filter Clearance* (inches)	Flanged Approx Wt. lb.	In/Out Drain Connections (inches)	Connections (inches)
			Diameter (inches)	Height (inches)				
ME-250S	250	150	14	45 1/8	22	471	1 1/2	1 NPT
ME-500S	500	150	14	58 1/8	35	518	2	1 NPT
ME-800S	800	150	14	73 1/4	50	586	2 1/2	1 NPT
ME-1100S	1100	150	16	78 1/2	55 1/8	664	3	1 NPT
ME-1500TP	1500	150	18	69 7/8	45 3/8	805	4	1 NPT
ME-1900TP	1900	150	18	74 7/8	50 3/8	965	4	1 NPT
ME-2500TP	2500	150	18	86 7/8	62 3/8	860	5	1 NPT
ME-3500TP	3500	150	24	86 11/16	59 7/8	1400	5	1 NPT
ME-4500TP	4500	150	24	99 3/4	72 7/8	1517	6	1 NPT
ME-5000TP	5000	150	24	105 3/4	78 7/8	1564	6	1 NPT
ME-6000TP	6000	150	24	120 7/8	93 7/8	1726	8	1 NPT
ME-7000TP	7000	150	30	108 3/8	80 1/8	2450	8	1 1/2 NPT
ME-8000TP	8000	150	30	116 3/8	88 1/8	2520	8	1 1/2 NPT
ME-9000TP	9000	150	30	124 3/8	96 1/8	2603	8	1 1/2 NPT
ME-10000TP	10000	150	36	118 3/16	88 5/8	3640	10	1 1/2 NPT
ME-15000TP	15000	150	42	132 11/16	100 7/8	CF	10	1 1/2 NPT

Notes: Larger Sizes Available, Consult Factory * Does Not Include Rigging.