## Fiberbed Mist Eliminators



## **Pneumatech Pride**

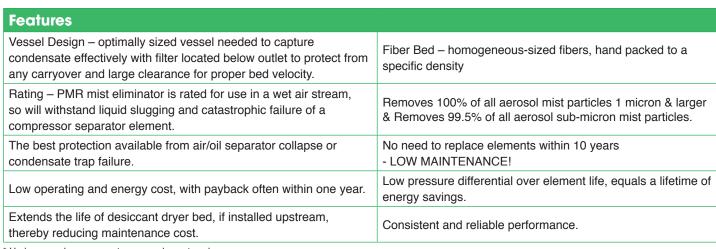
Pneumatech's PMR Mist Eliminators combine superior performance in particle elimination with an unmatched service life. Typically used as the pre-filter to a dryer, mist eliminators capture lubricant and condensed moisture carryover, even in the event of a catastrophic compressor separator collapse. Pneumatech PMR Series also has the lowest operating costs of any available technology.

With only 1/10th the pressure drop of a regular coalescing filter and an expected service life 20-30 times longer than conventional filters, or competitive mist eliminators, the PMR Series is the ONLY choice for efficient removal of mist sized particles.

## PMR-85 to PMR-17500

Pneumatech's PMR Mist Eliminators do not rely on differential pressure as the mechanism of particle removal. Instead they take advantage of the properties of gas diffusion in order to trap the contaminates between layers of homogeneous fibers. Using these principles PMR guarantees 100% removal of all aerosol-mist sized particles and above for up to 10 vears!





Under normal use; warranty covers elements only.













## Technical data



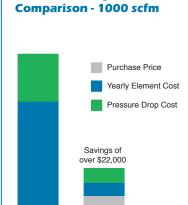
Pure air . Pure gas

Model Number	Inlet Flow Upstream*	Inlet Flow Downstream*	Inlet/Outlet Conn. Size [FLG]	Height (in)	Vessel Diameter	Approx. Ship Weight (lb)
PMR-85	85	140	2.00"	41	14.00"	385
PMR-180	180	252	2.00"	45	14.00"	390
PMR-435	435	587	2.50"	58	14.00"	440
PMR-785	785	1,004	4.00"	77	16.00"	580
PMR-1015	1,015	1,333	4.00"	77	16.00"	600
PMR-1300	1,300	1,651	4.00"	77	18.00"	845
PMR-1450	1,450	1,928	4.00"	71	24.00"	1235
PMR-2175	2,175	2,790	4.00"	84	24.00"	1280
PMR-2900	2,900	3,853	4.00"	97	24.00"	1360
PMR-4350	4,350	5,527	6.00"	159	24.00"	1840
PMR-6150	6,150	7,752	8.00"	160	30.00"	3055
PMR-7250	7,250	9,752	8.00"	181	30.00"	C/F
PMR-8700	8,700	11,717	10.00"	208	30.00"	C/F
PMR-15000	15,000	16,242	10.00"	208	36.00"	C/F
PMR-17500	17,500	18,267	12.00"	232	36.00"	C/F

<sup>\*</sup> Capacity is in scfm at 100 psig and 70 °F ambient temperature. Upstream and Downstream refers to a refrigerated dryer.

C/F - Consult Factory at 800-336-2285.

Inlet Pressure (psig)	Filter Inlet Capacity Correction Factor
70	0.74
80	0.83
90	0.91
100	1.0
110	1.09
120	1.17
130	1.26
140	1.35
150	1.44



Pneumatech

10 Year Life Cycle Cost

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Initial Cost	\$1,200	\$6,000				
Average Pressure Drop	4 PSI	0.5 PSI				
Average Cost of Pressure Drop	\$2,432	\$304				
Yearly Element Replacement Cost	\$900	\$160				
Total Cost Over 10 Years	\$34,520	\$10,640				
PMR Investment Payback	-	20 Months				
Note: These figures are for guidance only and do not constitute a quote.						
Over a 10-year period, this 1000 cfm system with						

Regular Filter

Over a 10-year period, this 1000 cfm system with a standard filter will cost the operator approximately \$21,280 more in energy and \$7,400 more in element replacements. this means that the extra investment for the Mist Eliminator will be returned in about 20 months. Larger systems will save significantly more energy and as a result will have an even faster payback. This example was used because 1000 cfm is a very popular system size.

Pneumatech reserves the right to change or revise specifications and product design in connection with any features of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.

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Typical Filter





1800 Overview Drive Rock Hill, SC 29730 USA 1-800-336-2285 www.pneumatech.com



**Mist Eliminator**