

Mist eliminators NME

Applications:

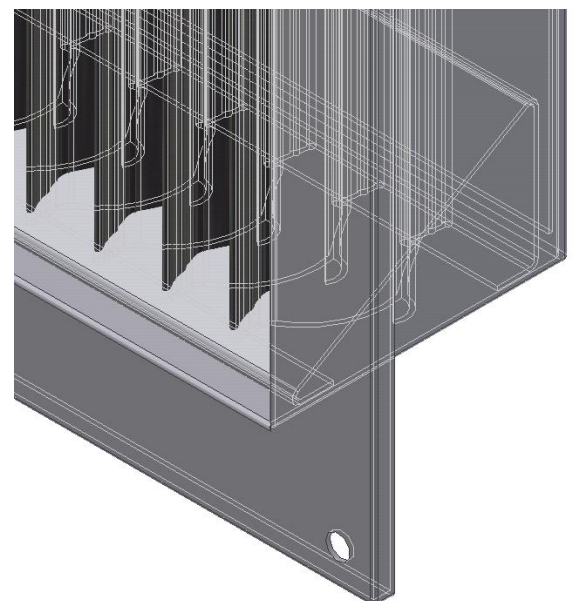
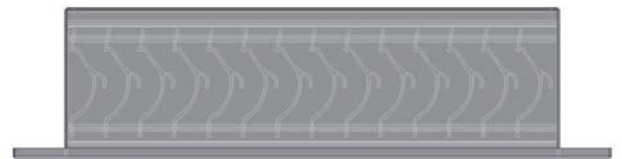
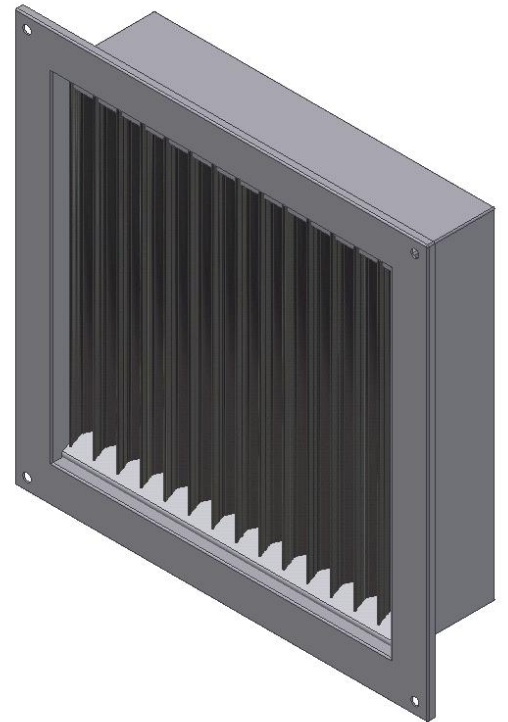
Mist eliminators remove corrosive mists from exhaust air streams when large entrained droplets are present. Many processes generate mists which do not require a scrubber for pollution control. In these applications, mist eliminators perform effectively at a much lower cost than conventional packed bed scrubbers.

Functioning:

Through the special shaped profile the water filled airstreams will bend of. Thanks to the mass inertia principle the drops clash against the profile. On the profile a film of water arises. Water is removed by the gravitation to the lower part of the profile. By the especially formed separation rooms also the smaller drops are separated. The collected water can easy be drained. For recommended air velocity we refer to table mentioned in page 2.

Properties :

Vanes	: reinforced polypropylene.
Casing	: stainless steel 304 (optional stainless steel 316).
Temperature	: 100°C continuous. : 130°C shortly.
Mounting	: horizontal or vertical.



		Selectiontable effective surface m2									
		Width in mm									
		300	400	500	600	700	800	900	1000	1100	1200
Height in mm	300	0,09	0,12	0,15	0,18	0,21	0,24	0,27	0,30	0,33	0,36
	400	0,12	0,16	0,20	0,24	0,28	0,32	0,36	0,40	0,44	0,48
	500	0,15	0,20	0,25	0,30	0,35	0,40	0,45	0,50	0,55	0,60
	600	0,18	0,24	0,30	0,36	0,42	0,48	0,54	0,60	0,66	0,72
	700	0,21	0,28	0,35	0,42	0,49	0,56	0,63	0,70	0,77	0,84
	800	0,24	0,32	0,40	0,48	0,56	0,64	0,72	0,80	0,88	0,96
	900	0,27	0,36	0,45	0,54	0,63	0,72	0,81	0,90	0,99	1,08
	1000	0,30	0,40	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20
	1100	0,33	0,44	0,55	0,66	0,77	0,88	0,99	1,10	1,21	1,32
	1200	0,36	0,48	0,60	0,72	0,84	0,96	1,08	1,20	1,32	1,44
	1300	0,39	0,52	0,65	0,78	0,91	1,04	1,17	1,30	1,43	1,56
	1400	0,42	0,56	0,70	0,84	0,98	1,12	1,26	1,40	1,54	1,68
1500	0,45	0,60	0,75	0,90	1,05	1,20	1,35	1,50	1,65	1,80	

Pressureloss over effective surface										
airvelocity m/s	1	1,5	2	2,5	3	3,5	4	4,5	5	
ΔP in Pa	3	10	20	25	30	45	50	60	80	

Capacity at drop diameter										
air velocity in m/s	1	1,5	2	2,5	3	3,5	4	4,5	5	
Drop diameter in μm	26	25	23	22	21	20	19	19	19	

* concentration 6 l/h/m2.

