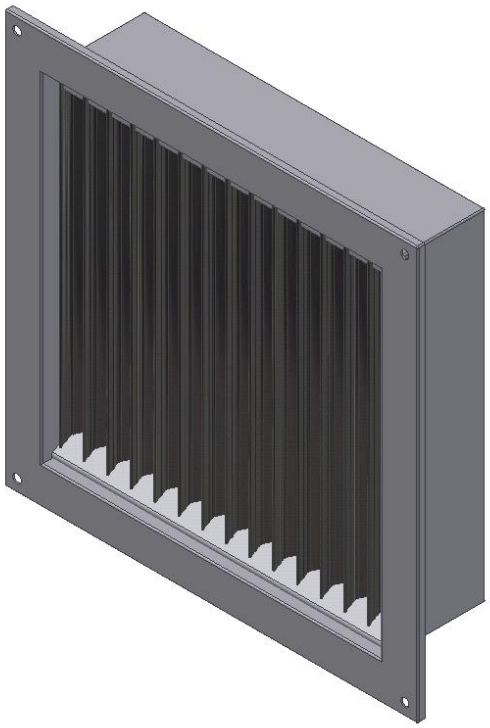
Mist eliminators NME

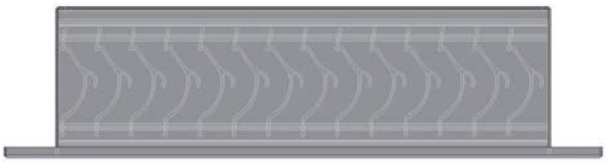
Applications:

Mist eliminators remove corrosive mists from airinlet streams when large entrained droplets are present. When replacing standard weather louvers on airintake by Novetec mist eliminators type NME, smaller dimensions can be applied. Air velocity can increase from 2,5 m/s to 5 m/s depending on available pressurereserve.



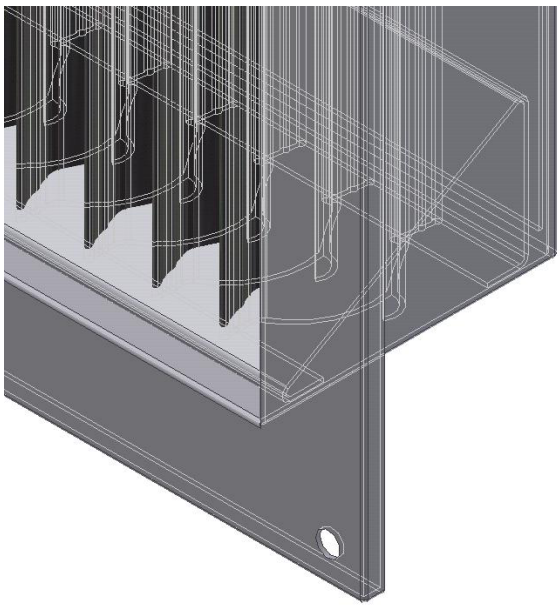
Functioning:

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
Temperature	: 100°C continuous.
	: 130°C shortly.
Mounting	: horizontal



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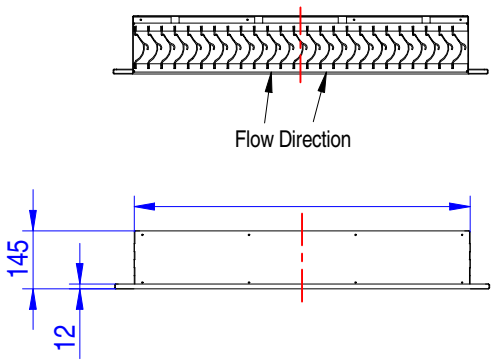
Noise reduction / Ventilation / Cooling

Height in mm	Selectiontable effective surface m2 – Width in mm									
	300	**400**	**500**	**600**	**700**	**800**	**900**	**1000**	**1100**	**1200**
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.



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