

Wide BL2

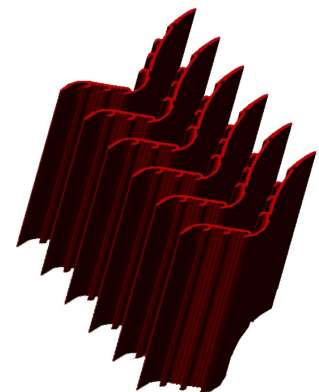
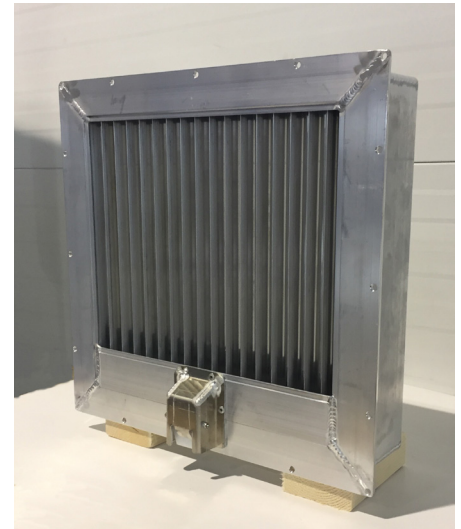
Third generation Wide Mist Eliminator

The Wide BL2 is actually third generation of our patented "multi-ridge" type High Efficiency Mist Eliminator, designed especially for best possible performance at higher velocities up to 10 and possibly 12 m/s.

Wide BL2 for high velocity applications

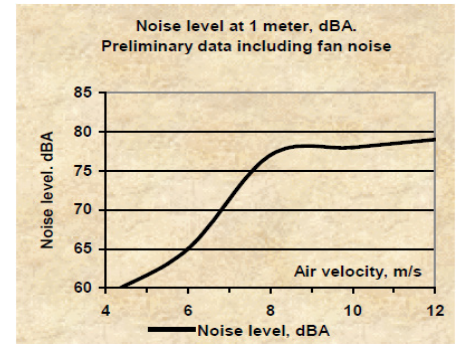
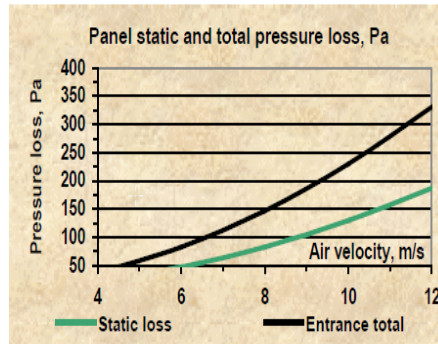
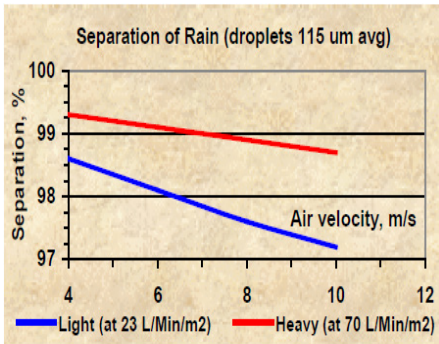
Turning vane type Mist Eliminator design is a balance between inertial centrifugal forces, drag forces and several proprietary techniques to arrive at the optimal design for each application. There is no "one-size-fit-all" in mist eliminator design. The Wide BL2 is developed to provide the highest possible water separation efficiency and capacity while exhibiting lowest possible pressure loss.

The Wide BL was originally developed for marine aeroderivative gas turbine air intake systems. However, over time the product has developed into a general High Velocity profile for a broad range of applications from High Speed Catamarans to specialized industrial process.



Wide BL2 for extreme high velocities

- High drainage capacity at all velocities ("green sea capacity")
- For use at air velocities from 4 to 10 (12) m/s
- Integrated drip-tray and arrangement for velocities up to 7 m/s.
- Drain trap valve for velocities from 7 - 10 m/s
- Drain pipes and water trap for velocities from 10 - 12 m/s
- High efficiency design for both small and large droplets
- Based on the well-proven Wide patented "multi-ridge" concept.
- The "multi-ridge" design is very robust in rough gusty wind conditions.



Separation efficiency for Rain and Fog tested in accordance to test procedures developed for Wide Inertial Separators at SINTEF Energy Research, Norway.
 Rain and Fog are used as specific terms related to droplet size and distribution in the test arrangement. Higher water loads (in number of droplets) give higher separation efficiency.
 Separation for rain and pressure drop are tested by SP Swedish National Testing and Research Institute in accordance with SS EN 779 and 13030.

BL2 for 7 m/s

m³/t

H \ W	500	1000	1500	2000	2500	3000	3500
500	3863	8462	13061	17660	22259	26858	31457
600	4922	10781	16640	22499	28358	34217	40076
800	7038	15417	23796	32175	40554	48933	57312
1000	9155	20054	30953	41852	52751	63650	74549
1200	11272	24691	38110	51529	64948	78367	91786
1400	13389	29328	45267	61206	77145	93084	109023
1600	15506	33965	52424	70883	89342	107801	126260
1800	17622	38601	59580	80559	101538	122517	143496

BL2 for 10 m/s

m³/t

H \ W	500	1000	1500	2000	2500	3000	3500
500	5519	12089	18659	25229	31799	38369	44939
600	7031	15401	23771	32141	40511	48881	57251
800	10055	22025	33995	45965	57935	69905	81875
1000	13079	28649	44219	59789	75359	90929	106499
1200	16103	35273	54443	73613	92783	111953	131123
1400	19127	41897	64667	87437	110207	132977	155747
1600	22151	48521	74891	101261	127631	154001	180371
1800	25175	55145	85115	115085	145055	175025	204995