

Wide BL2

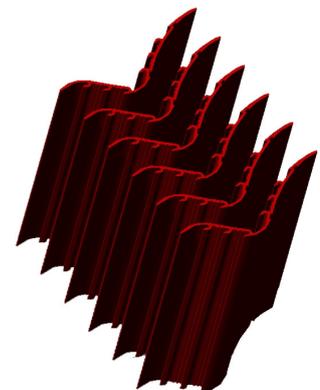
Third generation Wide Mist Eliminator

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

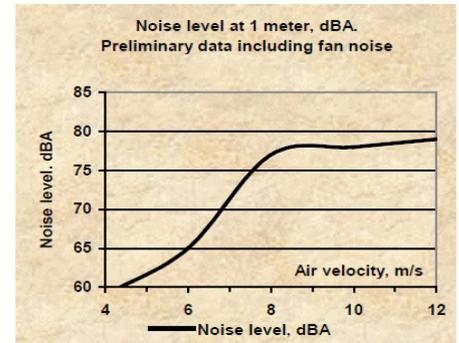
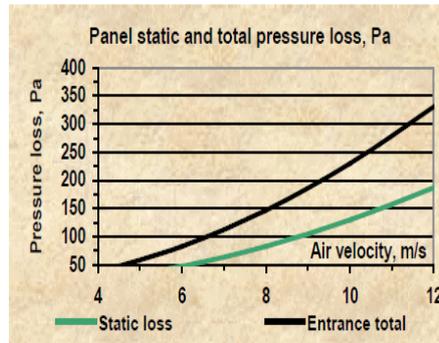
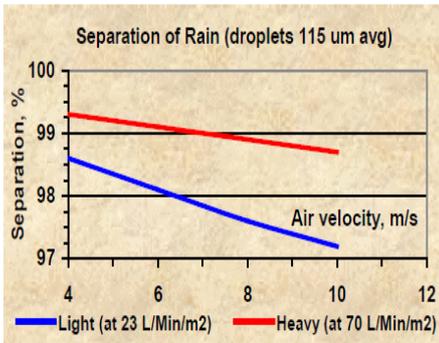
Turning vane type Mist Eliminator design is a balance between inertial centrifugal forces, drag forces and several proprietary techniques to arrive at the optimal design for each application. There is no "one-size-fit-all" in mist eliminator design. The Wide BL2 is developed to provide the highest possible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