



## APPLICATION NOTE

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### Building Storm Louvres

All buildings need a steady supply of fresh air and this is usually provided directly from outside via a grille, ductwork and a fan. Most systems work extremely well in fine weather. But many systems begin to have problems when the weather turns bad!

In heavy driving rain, water can enter the air system causing varying degrees of damage. The filters can clog up and reduce airflow. Water can leak through into the ceiling and even through the ceiling into occupied spaces. Dampness and puddles provide environments for microbial amplification. And particularly in seaside locations where the water is salty, ductwork, fans and air-conditioning coils can corrode.

The most common solution is to fit louvres to deflect the water while allowing the air to pass through. Unfortunately, many louvres do not perform very well – particularly at high airflow rates. Fortunately, there is now a solution that has been proven.

Building Storm Louvres from Air Care Technology Ltd are based on the air-water separators used on the air-intakes of ocean-going ships – including the ANZAC frigates. They are designed to prevent corrosive sea-spray destroying the air systems and the delicate engine room controls. They are designed for and perform extremely well in the most severe conditions.

Building Storm Louvres from Air Care Technology Ltd are made to order to cope with the airflow required and fit the space allowed. Although they out-perform all other standard louvres, they are comparable in price. They can operate at air intake velocities up to 6 m/s.