

Combined Inlet Shields for improved hygiene and less maintenance

BAC offers a full range of Combined Inlet Shields for retrofitting to BAC crossflow and combined flow cooling towers and evaporative condensers.



Sunlight



Debris



Water splash out



Old style air inlet louvres

New Combined
Inlet Shields

BAC Combined Inlet Shields replace traditional air inlet louvres and inlet screens. They protect the cooling tower or evaporative condenser from debris being drawn into the unit, avoid direct sunlight shining onto the wetted surfaces and sump water and prevent splash out and windage losses at the air inlet.

Combined Inlet Shields play an important role in controlling the risk of legionellosis by minimising water losses and aerosols in the vicinity of the equipment and preventing direct sunlight from promoting the growth of algae and harmful bacteria within the unit. These are important requirements in complying with national regulations and codes of practice to control the risk of legionella bacteria.

Combined Inlet Shield retrofit kits are available for the BAC TXV, FXV, CXV, HXI, IMT and S3000 ranges.



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Benefits of retrofitting Combined Inlet Shields:

- ✓ Replaces louvres, louvre supports, air inlet screens and sump covers without affecting the thermal performance and noise characteristics of the unit.
- ✓ Eliminates splash out and windage losses at the air inlet.
- ✓ Protects the water in the sump and the wetted face of the fill pack from exposure to direct sunlight.
- ✓ Reduces algae growth and discourages bacteriological proliferation in the sump water.
- ✓ Eliminates leaves, paper and other debris being drawn into the unit. Helps to reduce dust and other particulate contaminants in the air reaching the recirculating water.
- ✓ Significantly reduces fouling within the sump and fill pack. Maintains good cleanliness of the water and internals of the unit and reduces the amount of cleaning required.
- ✓ Reduces the risk of ice formation at the air inlet during freezing conditions.
- ✓ Light and easy to handle. Sections are readily removable for access to the accessories in the sump such as the sump strainer and water make-up assembly.
- ✓ Corrosion-free materials and resistance to UV assure a long service life. Constructed of PVC honeycomb material in a galvanised steel with Baltibond® Corrosion Protection or stainless steel frame.
- ✓ Retrofit kits can be quickly installed by factory trained BAC service technicians to minimise unit downtime.



Easy to handle
Combined Inlet Shields



Combined Inlet Shields retrofitted to the top half of BAC S3000 cooling towers with old style louvres at the bottom

For more information, contact
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