

HXC INTELLIGENT HYBRID CONDENSER



WHY HYBRID CONDENSERS?

Evaporative condensers are the most efficient method to condense refrigerant. Such systems however consume water which is both a scarce and valuable resource.

The Hybrid Condenser technology aims to minimize water consumption yet retaining the high efficiency of evaporative condenser systems.

INTELLIGENT HYBRID CONDENSER: HXC

There are several suppliers that market hybrid condenser products by simply combining an evaporative condenser with an air-cooled extended surface coil in either a series or a parallel arrangement.



Baltimore Aircoil however can claim the world's **first** truly **intelligent** Hybrid Condenser technology which is unmatched in the industry.

A unique, smart product, the HXC Hybrid Condenser is one of a kind as it saves maximum water throughout the entire operating cycle in a very intelligent way.

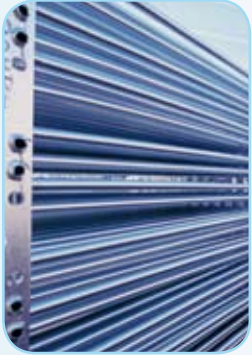


Baltimore Aircoil

Product Report

HXC PRODUCT DESIGN

Prime Surface Coil
(40% less NH₃ charge)



Stainless steel coil
with aluminium fins



Double row
high efficiency
PVC drift eliminators



Standard low noise fan



Optional for
residential sound
criteria



Modulating air inlet
dampers



PVC
Wet Deck Surface
for efficient spray water cooling



Combined Inlet Shields
provide superior
product hygiene



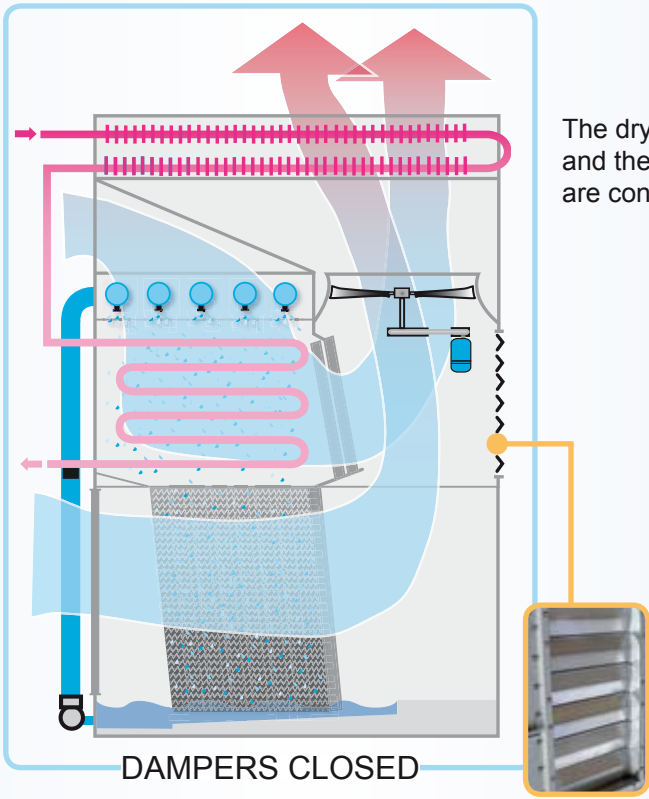
Large, hinged access door
allowing easy access for
maintenance



HXC PRINCIPLE OF OPERATION

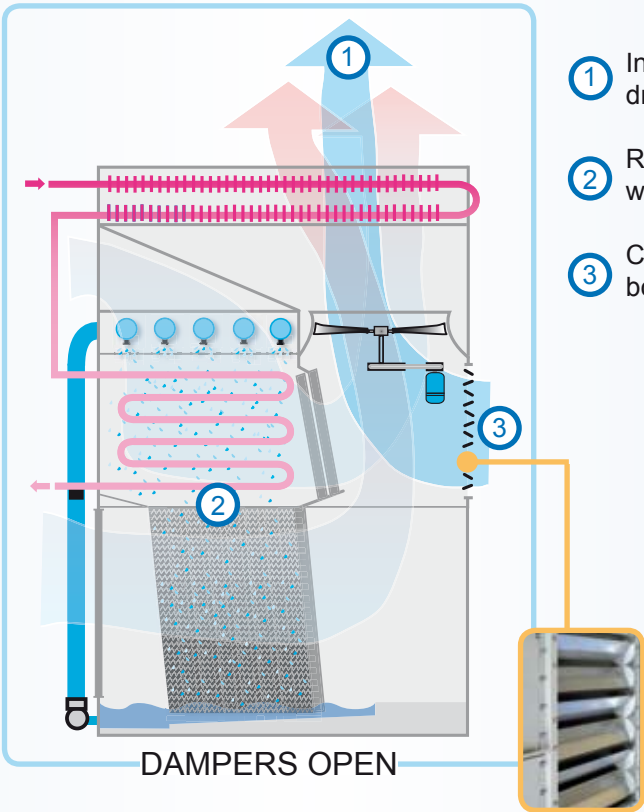
SUMMER PEAK OPERATION

When the ambient temperature is **close to** the condensing temperature or **higher**, the dampers are closed.



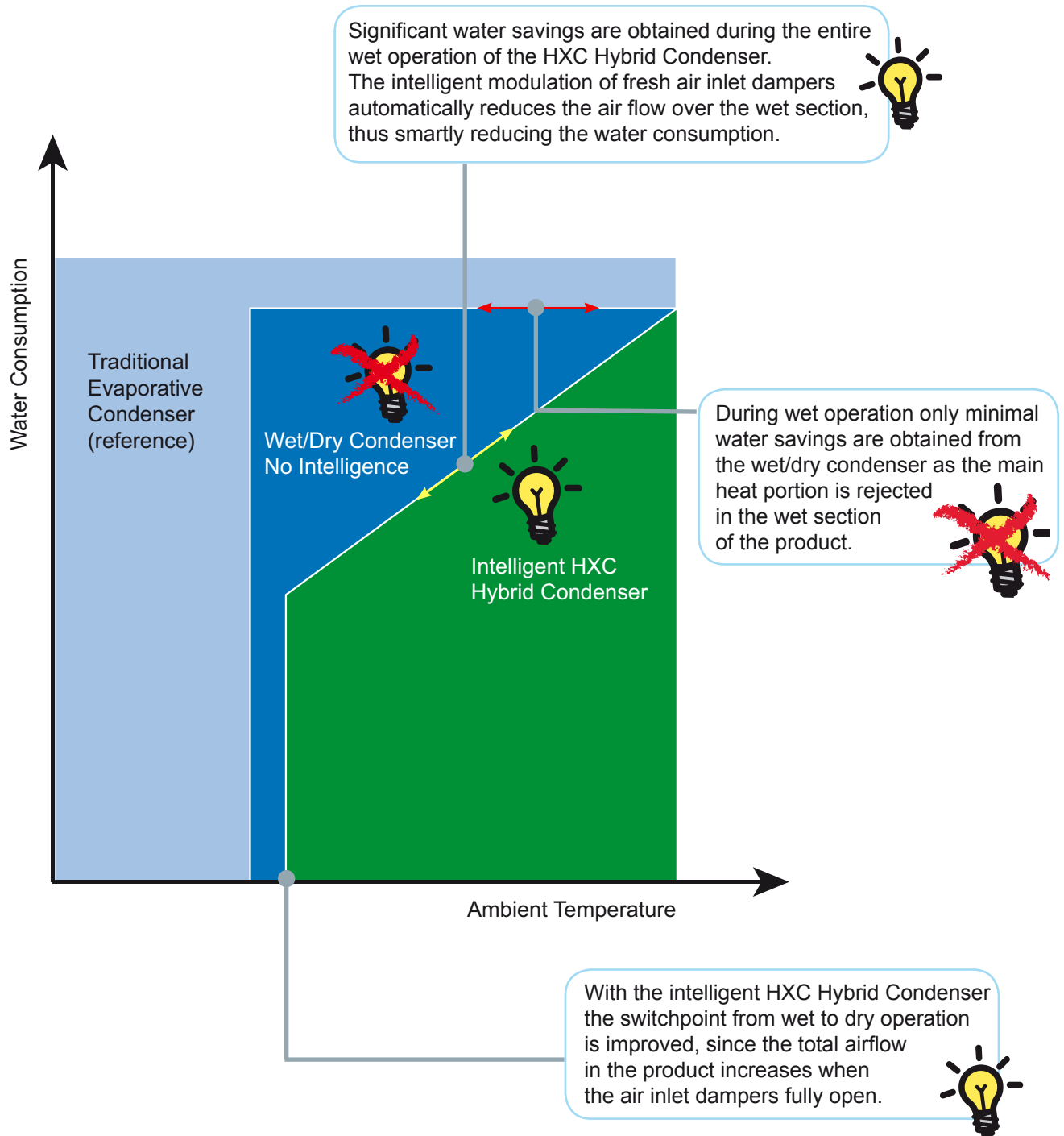
YEAR ROUND OPERATION

When the ambient temperature is **a few °C below** the condensing temperature, the dampers will modulate open.



Once the dry switchpoint in winter is reached, the spray pumps will be switched off, whereby no water is consumed.

INTELLIGENT WATER SAVINGS



HXC END-USER BENEFITS

- Low water consumption
- Low energy consumption
- Low noise levels
- Low NH₃ charge
- Superior hygiene
- Easy maintenance

At Baltimore Aircoil Innovation is our Passion

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