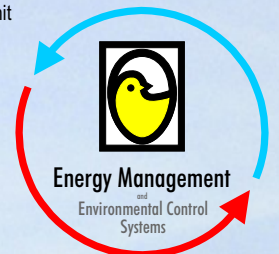
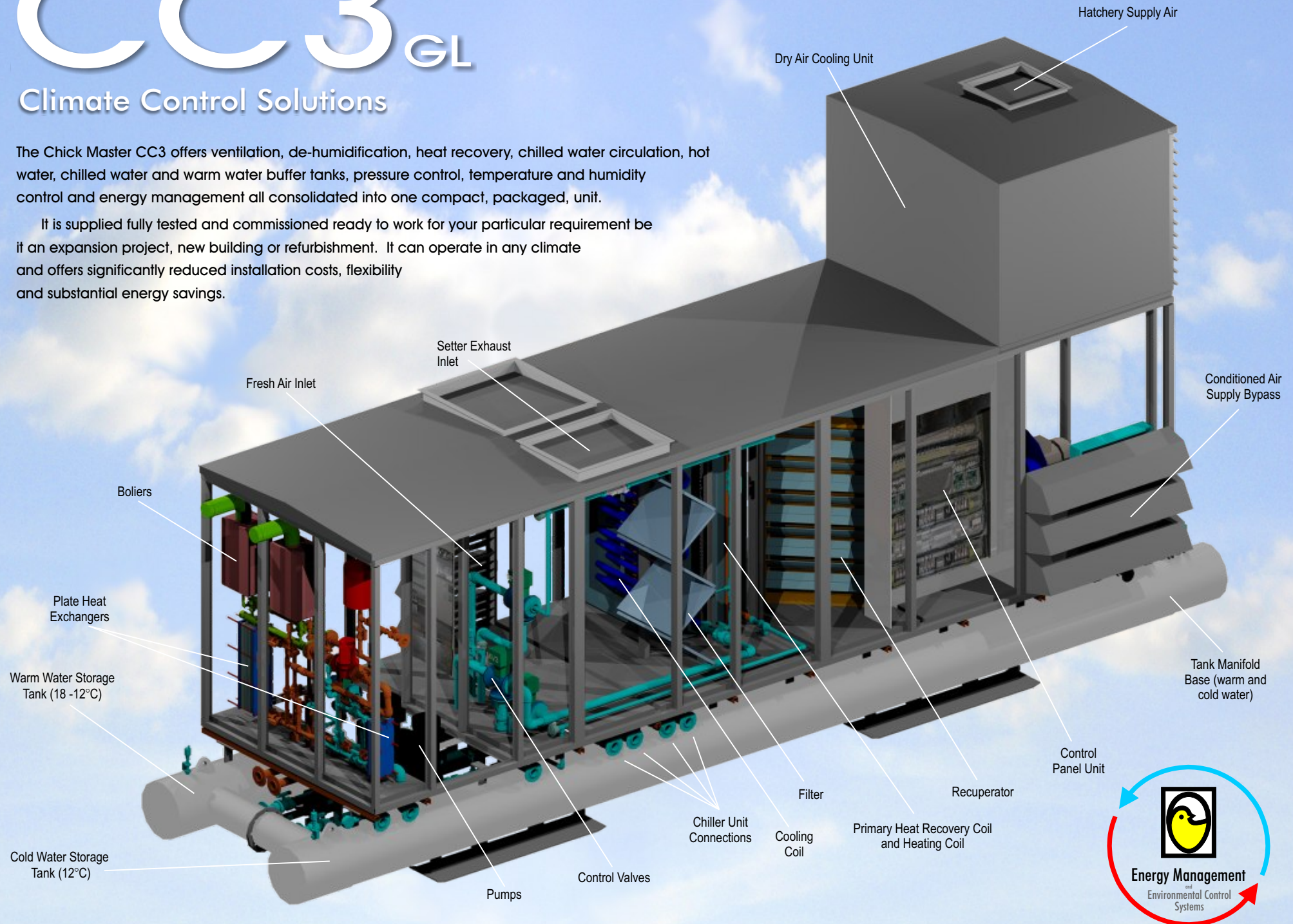


CC3_{GL}

Climate Control Solutions

The Chick Master CC3 offers ventilation, de-humidification, heat recovery, chilled water circulation, hot water, chilled water and warm water buffer tanks, pressure control, temperature and humidity control and energy management all consolidated into one compact, packaged, unit.

It is supplied fully tested and commissioned ready to work for your particular requirement be it an expansion project, new building or refurbishment. It can operate in any climate and offers significantly reduced installation costs, flexibility and substantial energy savings.

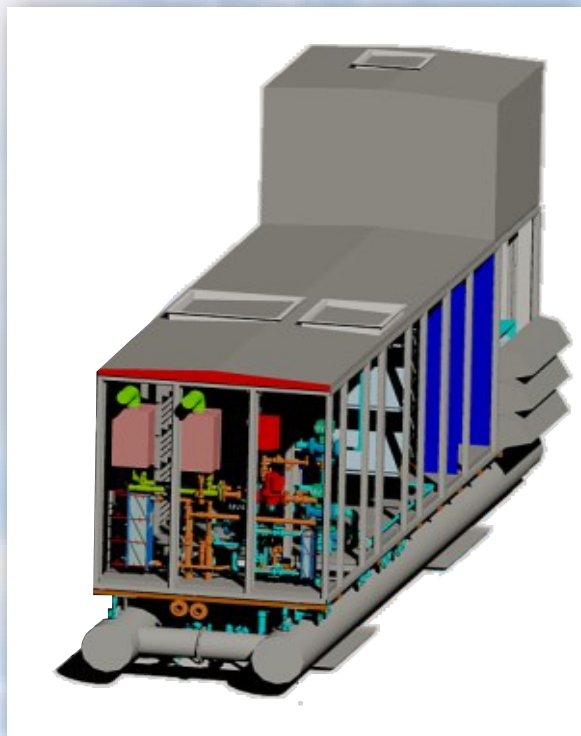


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Climate Control Solutions from Chick Master



In today's modern single and multi stage hatcheries, there is a great demand for good ventilation while at the same time looking for energy savings. The old ways of evaporative cooling or moving air with fans alone are no longer sufficient in a region where high humidity is one of our greatest challenges.



Embryo moisture loss is important and can only be achieved when the incoming air is dryer than the machine set point. Humidity will rise as the embryo develops. This requires moisture be removed from the egg during the incubation process. This can be accomplished by several ways including mechanical dehumidification, but this also can be very energy expensive. There are better solutions available.

By incorporating full temperature, humidity and pressure control, chick yield and hatch percentages as well as quality can be improved considerably. This is highly relevant to the operation of today's single stage incubation systems where stage programs adjust to different age eggs and flocks.

Dehumidification can mean additional power costs to condense and dry the air. There are several ways of utilizing natural heat recovery to better manage these costs. These resources need not be wasted as they are readily available for free in both the hatchery water and air systems.

By further incorporating variable speed controls into sophisticated ventilation and chilled water systems, we further improve on the overall power consumption costs within the hatchery as well. The hatchery operation can be greatly improved at the lowest possible fixed and variable costs. The results are a stronger and better quality baby chick at a lower cost that will also show improved results on the farm. This is every hatchery's objective.