

# envirotech™

HATCHERY SERVICES UNIT

SUPPORTING  
**'zeropointsix'**



The Envirotech™ unit is designed to stand outside the hatchery thanks to its high quality cabinet and profiled roof.

Ideal for providing extra capacity to new or existing systems, without the expense of replacing or refurbishing existing HVAC equipment.

The **Envirotech™** is a packaged and pre-tested ventilation system that offers all the necessary services for hatcheries in a simple energy efficient unit.

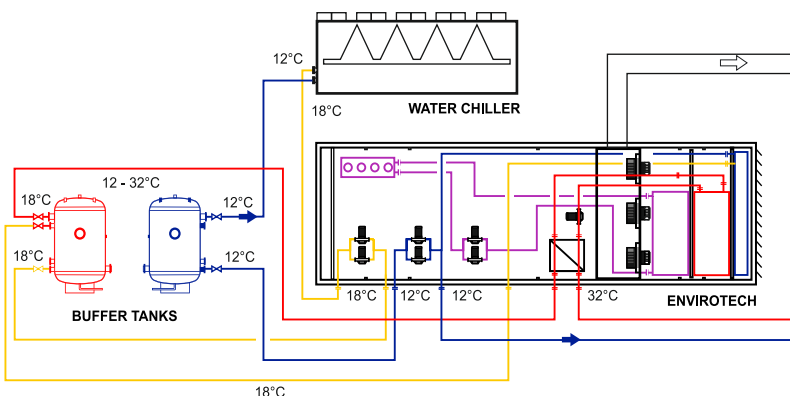
The entire system is managed with our Enviro-Eclipse® control system which supports our 'zero-point-six' incubator performance. A complete solution supplied pre-assembled and ready to install.

For easy servicing, the Envirotech™ houses a spacious **integral plant room** with access to pumps, glycol top-up, system valves, plate heat exchanger, boilers and controls.

Includes **built in redundancy** with dual capacity, run and standby chilled water pumps and fans, ready to operate in case of component failures.



The integral plant room allowing ease of maintenance



A UK installation incorporating two Envirotech systems

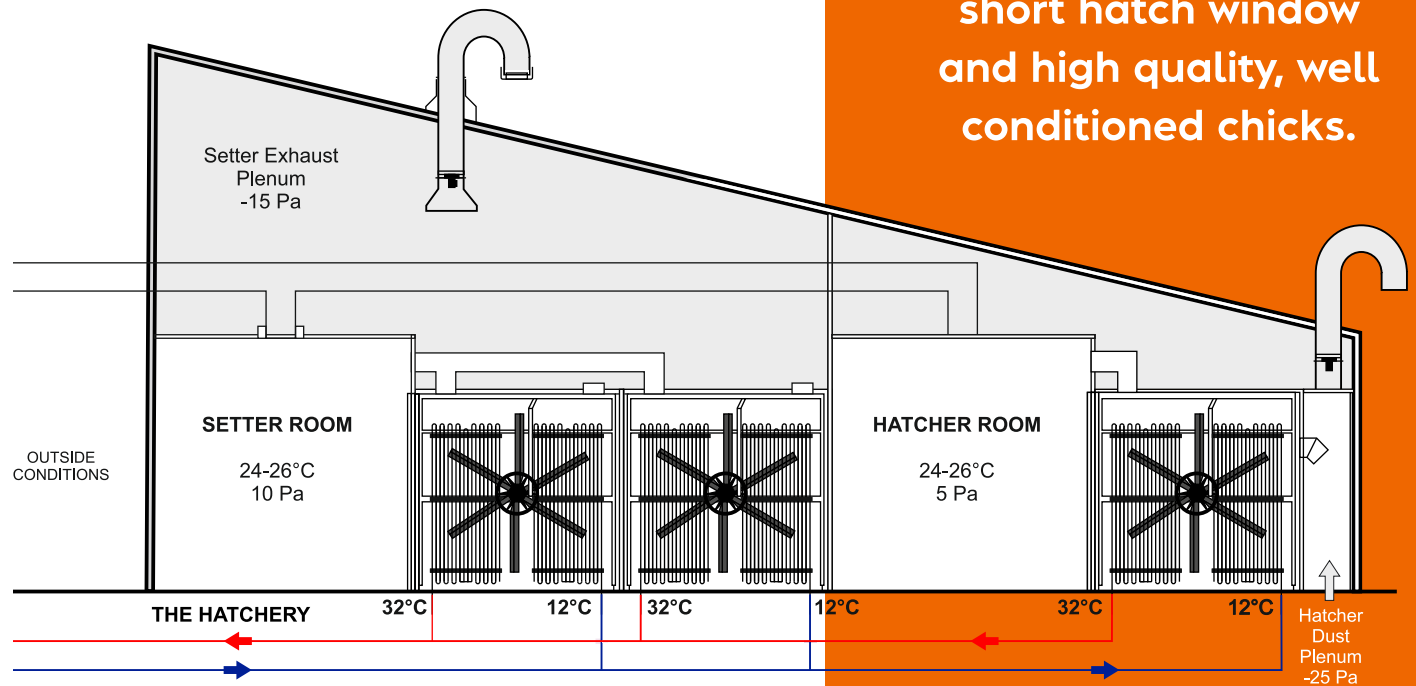
## Energy Savings

The chart opposite shows typical annual energy savings achieved from the EnviroTech primary heat recovery system. This is **free energy**, that even in tropical climates represents significant energy savings.

## Hatchery De-humidification

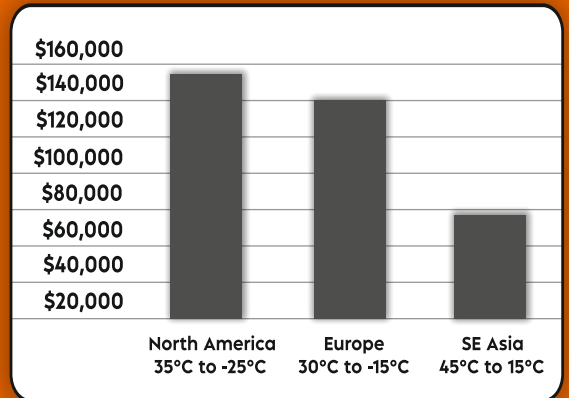
For effective hatchery de-humidification the air temperature needs to be reduced for moisture to condense. This physical cooling can often incur high energy costs as the air also has to be heated to the required room air conditions of 26-27°C. With EnviroTech's **primary heat recovery**, the cost of de-humidification and reheating of room air can be reduced by **up to 33%**.

The diagram below demonstrates how the EnviroTech operates with the cyclical flow of water. From the chiller through the pumps and fans and on to the setters and hatchers. The resulting warmed water returns through the plate heat exchanger and back to the chiller and storage tanks.



## Typical Annual Energy Savings

(Based on a one million eggs set per week hatchery)



# 'zeropointsix'

The EnviroTech™ perfectly supports 'zero-point-six' by providing the optimum environment for developing embryos and chicks. The result is a very short hatch window and high quality, well conditioned chicks.