

enviroSafe™

HATCHERY SERVICES UNIT



The EnviroSafe™ is a packaged and pre-tested HVAC system that offers all of the necessary services for hatcheries in an energy efficient stand-alone unit. Supplied pre-assembled and ready to install, it's ideal for providing extra capacity to new or existing systems, and without the expense of replacing old equipment.

The entire system is managed by the robust Enviro-Eclipse™ control, and supports our 'zero-point-six' incubator performance.

SAFE MEANS SAFE

WE'VE GOT YOU COVERED IN CASE YOU DON'T

The main concern with any packaged HVAC system is the risk of component failure due to "putting all the eggs into one basket". The EnviroSafe™ addresses this with 100% TRUE redundancy. You are protected all day and every day with dual-capacity pumps for both the machine chilled water circuit and the chillers themselves. A 'SAFE' solution from the time it's switched on. If one component fails, we've got your back!

Additionally, the supply and return water are capable of supplying sufficient water for the entire circuit at any time. This feature avoids excessive usage of single head pumps.

Last but not least, the EnviroSafe™ fan configurations have built-in redundancy as well. Should one fail, there is one waiting to carry the load.



ADDITIONAL SECURITY

For ease of repair and maintenance, the EnviroSafe™ houses a spacious plant room with easy access to pumps, valves, heat exchangers, boilers, controls and glycol top-up. This avoids the inability to repair inaccessible critical system components.

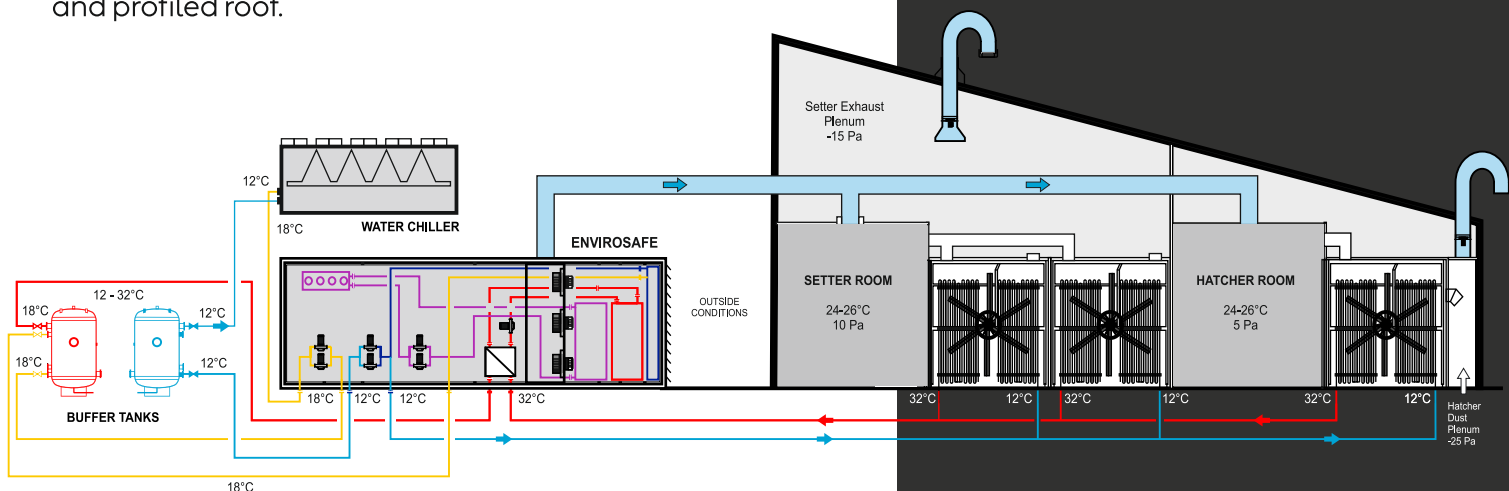




HATCHERY DE-HUMIDIFICATION

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 EnviroSafe'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 EnviroSafe™ operates with the cyclical flow of water. From the chiller through the pumps and fans and on to the setters and hatcher. The resulting warmed water returns through the plate heat exchanger and back to the chiller and storage tanks. The EnviroSafe™ is also designed to stand outside the hatchery thanks to its high quality cabinet and profiled roof.

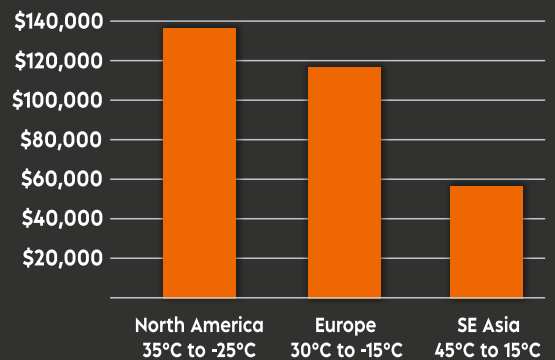


ENERGY SAVINGS

The chart below shows typical annual energy savings achieved from the EnviroSafe's Primary Heat Recovery System. This is free energy, that even in tropical climates represents significant savings.

TYPICAL ANNUAL ENERGY SAVINGS

Based on one million eggs set per week



THE MOST
BIO-SECURE
PACKAGED
PLANT ROOM
IN THE WORLD