

ECOTM heat transfer
coolers



THE GROUNDBREAKING
GAS COOLER LINE
FOR A CLEANER,
HEALTHIER WORLD



ECO-BATIC[®]



Engineering a Cleaner, Healthier World

ECO-BATIC®



We predicted, far ahead of the market, that adiabatic evaporative humidification panels would play a pivotal role in enhancing cooling system efficiency.

Leveraging our extensive expertise, we have elevated the technology to new levels and meticulously optimized water and energy usage.

Recent international regulations, emphasising the shift from high-GWP refrigerants to alternatives like CO₂, have stimulated demand for new refrigeration systems that meet stringent environmental standards while ensuring higher efficiency and swift returns on investment.

Our response to these scenarios is ECO-BATIC®, a ground-breaking line of gas coolers developed on a cutting-edge technological platform featuring an adiabatic system set to redefine industry standards.

Thanks to the "all-in-one" design, ECO-BATIC® simplifies installation with factory-assembled components. The range covers all possible applications, combining high performance with extreme compactness.

Key Benefits

- Option to predict adiabatic system water consumption
- Higher efficiency refrigeration system
- Lower energy and water consumption
- Compact dimensions
- Easy installation and self-calibration system
- Simplified maintenance operations
- Available for the global market

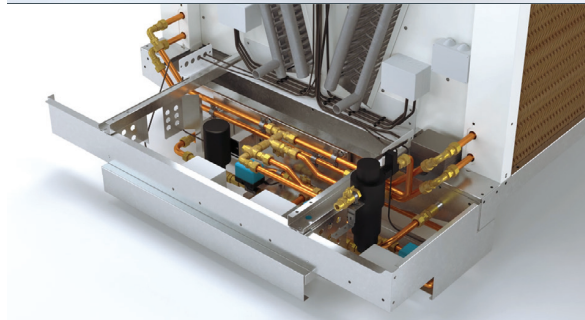
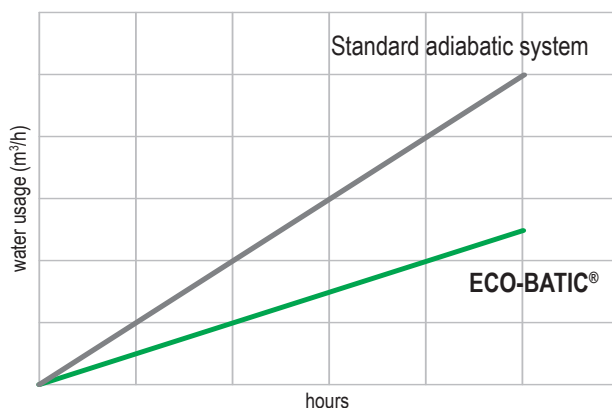
For the construction of this gas cooler range, we've sourced premium materials and components, including high-efficiency heat exchangers, state-of-the-art electronically commutated fan motors and self-calibration solutions for perfect integrated electronic control.

For ECO-BATIC®, we have developed a series of innovative technical solutions, including the configuration of adiabatic panels and a water recovery system that avoids waste.

To promote a design based on the principles of sustainability, we have implemented the "Scelte" program with a series of new predictive functions that allows advance knowledge of water demand, operating hours of adiabatic systems and energy consumption, anywhere in the world.

Choosing ECO-BATIC® isn't just a smart choice, it's a game-changing one! Enhancing cooling system efficiency sets new standards for environmental stewardship while delivering unprecedented gains.

WATER USAGE



DESIGNING A SUSTAINABLE SYSTEM USING NEW PREDICTIVE FEATURES

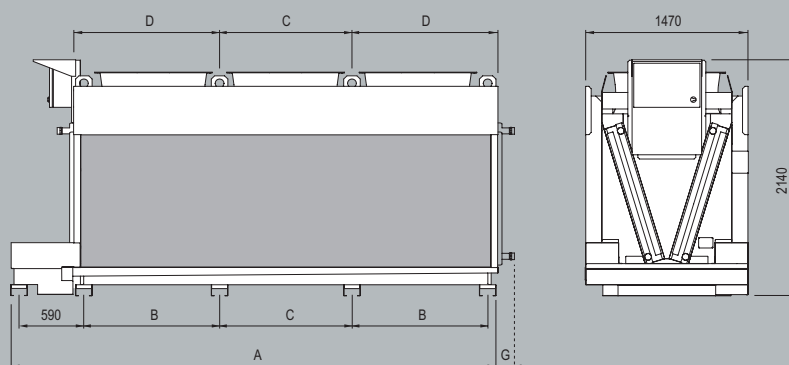
Scelte
SELECTION SOFTWARE

The new calculation routine dedicated to the selection of ECO-BATIC® can predict the amount of water required by the adiabatic system.

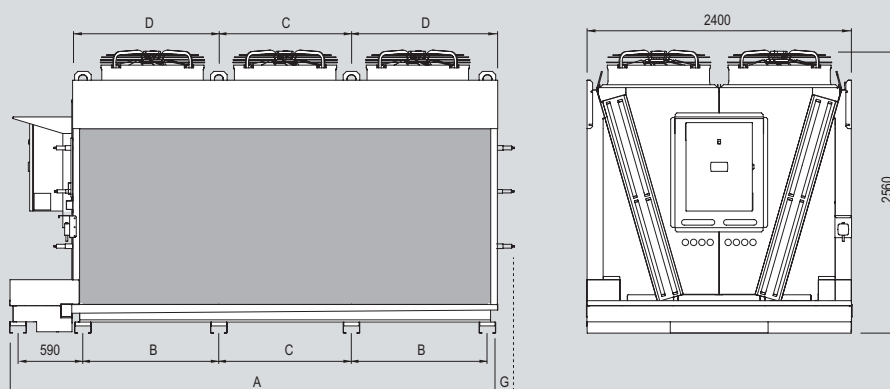
SCELTE takes into account both the performance parameters of the project and the climatic profile of the installation location worldwide.

This feature enables accurate, sustainable system design.

www.modineselect.com



Model		AVSx11	AVSx12	AVSx13	AVSx14	AVSx15
Nr. of fan motors		1	2	3	4	5
Dimensions mm	A	2020	3220	4420	5620	6820
	B	1260	1230	1230	1230	1230
	C	-	-	1200	1200	1200
	D	1260	1230	1260	1260	1260
	G	225	225	225	225	225



Model		-	AVSx22	AVSx23	AVSx24	AVSx25
Nr of fan motors		-	2x2	2x3	2x4	2x5
Dimensions mm	A	-	3200	4400	5600	6800
	B	-	1230	1230	1230	1230
	C	-	-	1200	1200	1200
	D	-	1320	1320	1320	1320
	G	-	235	235	235	235

“From an ecological point of view, CO₂ is a superior alternative to environmentally damaging hydrofluorocarbons (HFCs), as well as being non-flammable, non-toxic and less expensive.

Modine designs and manufactures CO₂ units suitable for all your application needs”



Step into the world of refrigeration with ECO™ products.

Our experience and the technologies we employ
enable us to guarantee optimum levels of performance and energy efficiency.

Our units are reliable and flexible to use
in a wide range of applications.

Opting for our products means selecting quality solutions
that respect the environment.

Modine Manufacturing Company

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