

Modulex EXT Boiler

Innovative Design. Exceptional Performance.

A breakthrough in high-efficiency design, AERCO Modulex EXT boilers deliver maximum efficiency, built-in redundancy, and space savings for your hydronic heating system. Modulex EXT helps engineers, contractors, facility managers, and owners achieve their efficiency mandates, while remaining environmentally sound.

Best-in-Class Efficiency and Turndown

Modulex EXT has a unique design to achieve the best possible fuel savings. By incorporating separate thermal modules that operate independently, Modulex EXT units deliver superior turndown of up to 39:1. Another design advantage is simultaneous low-fire operation, which helps maximize operating efficiency up to 99%, thanks to the high thermal conductivity of its aluminum heat exchanger.

Trusted Performance and Reliability

Modulex EXT's independently operating thermal modules deliver outstanding performance. The patented modular design with back-up master controller significantly reduces the need for redundant system capacity, virtually eliminating boiler downtime and providing you with peace of mind. Modulex EXT's reliability is proven in space heating and combination heating applications.

Outdoor Installation

Modulex EXT comes standard with a coated stainless steel enclosure and is rated for -20° to 105°F ambient temperatures, making it perfect for outdoor installations with no additional accessories or changes. Its lightweight design makes it suitable for rooftop systems.



Versatile Installation

The water, gas, and vent connections are reversible to fit any field configurations (Light Commercial sizes up to 1123 MBH). Low flue temperatures allow a range of venting options including polypropylene, PVC, cPVC, or AL-294C vent materials.

Environmentally Friendly

Modulex EXT is the highest performing boiler family for light industrial and commercial facilities requiring 450-3000 MBH hydronic system. Each unit meets the following criteria:

Eco-friendly: With its high turndown and unmatched seasonal efficiency of up to 99%, the SCAQMD-certified Modulex EXT helps facilities achieve LEED status.

Small Carbon Footprint: The Modulex EXT has extremely Low NO_x emissions of <20 ppm to satisfy green initiatives. Environmental impact is further reduced by minimal chimney flue losses and constant CO₂ operation.

Fuel Savings: By simultaneously operating multiple thermal modules, each at its lowest firing rate, Modulex EXT boilers achieve unmatched energy efficiency and fuel saving.

Other Key Features of Modulex EXT

Simplicity	Maintenance is simple with top and front component access as well as easy-to-remove panels. Combustion view ports for each thermal module and clear access to all major operating components from the front/top of each unit further simplify and minimize maintenance.
Easy-To-Use	A user-friendly control panel on the front of each boiler makes operation a breeze. In addition to controlling the boiler, the panel allows one or more units to be integrated via Modbus communications protocol to a facility-wide energy management or building automation system (BAS).
Compact Footprint	The efficient design maximizes every square foot for greater profitability. The small footprint Modulex EXT can offer schools, hotels, and other commercial facilities significant savings to maximize their return on investment.
Whisper-Quiet Operation	With an acoustic impact of <50 dBA, Modulex EXT creates installation options to maximize space in noise-sensitive environments such as schools, nursing homes, and hospitals.

AERCO has been supplying the commercial market with industry-leading heating and hot water solutions featuring condensing, modulating technology longer than any other company. AERCO continues to redefine efficiency, eco-friendliness, and innovation with products like Modulex EXT.

Contact your AERCO sales representative to discuss how Modulex EXT could fit into your next project.



Heating and Hot Water Solutions

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