FAQs: Modulex EXT Code Classifications

Light Commercial Models:
- MLX EXT 321
- MLX EXT 450 (2S)
- MLX EXT 481
- MLX EXT 600 (2S)
- MLX EXT 641
- MLX EXT 800 (2S)
- MLX EXT 802
- MLX EXT 962
- MLX EXT 1100 (2S)
- MLX EXT 1123

Commercial Models:
- MLX EXT 1500 (2S)
- MLX EXT 1530
- MLX EXT 1912
- MLX EXT 2295
- MLX EXT 2300 (2S)
- MLX EXT 2600 (2S)
- MLX EXT 2677
- MLX EXT 3000 (2S)
- MLX EXT 3060

Heating and Hot Water Solutions

AERCO International, Inc. • 100 Oritani Drive • Blauvelt, NY 10913
USA: T: (845) 580-8000 • Toll Free: (800) 526-0288 • AERCO.com
Technical Support • (800) 526-0288 • Mon-Fri, 8 am - 5 pm EST
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1. Is the Modulex EXT ASME stamped and does it have a National Board Number? Is there a Manufacturer's Data Report for the Modulex EXT?

The Modulex EXT boiler is ASME stamped with the "H" symbol. It does not have a National Board Number and a Manufacturer's data report is not available for customer's file. The "H" symbol is located in front of the unit, at the bottom right corner (it can be viewed by removing the front sheet metal). The Modulex heat exchanger is a cast aluminum sectional design and falls under ASME Code Section IV Part HA. This code states that form H-5A must be completed and maintained by the Manufacturer. This form does not have a line for a National Board number; hence, a national board number is not required for cast sectional design boilers. Furthermore, this code does not require the manufacturer to distribute a copy of this completed form as information included in it is proprietary for the design.

2. Does the Modulex EXT gas train comply with ASME CSD-1?

Yes, the Modulex EXT gas train complies with ASME CSD-1 as a MODULAR BOILER. The Modulex Boiler is designed as a modular boiler as defined by CSD-1 and ASME Section IV — "a hot water heating assembly consisting of a grouping of individual boilers called modules intended to be installed as a unit with no intervening stop valves. The individual modules shall be limited to a maximum input of 400,000 Btu/hr". The Modulex is a modular boiler, each module is designed with its own, burner, combustion air blower, air pressure switch, gas valve, spark igniter, flame detector, combustion safeguard control, hot water outlet temperature safety limit and outlet hot water temperature sensor. Each heating module has a maximum input of 160,500 BTU/hr for models EXT 321 to EXT 1123/1100, and 382,500 BTU/hr for models EXT 1530/1500 to EXT 3060/3000. The components described above are all listed or recognized by CSA or UL. CSA has certified the Modulex to ANSI Z21.13/ CSA 4.9 as a modular boiler, and such has determined that any gas train requirements for boiler inputs over 400,000 Btu/hr do not apply.

3. Do the Modulex EXT Waterside Controls comply with ASME CSD-1?

Yes, the Waterside Controls of the Modulex comply with CSD-1. The Modulex Boiler is supplied with a flow switch and a high temperature limit control, both manual reset. Each module has a hot water outlet temperature safety limit.

CHANGE LOG:		
DATE	**DESCRIPTION**	**CHANGED BY**
05/22/2013	Rev A: Initial revision and release for EXT models created from FAQ for standard Modulex models.	Curtis Harvey
06/26/2013	Rev B: Misc. changes to models and amounts.	Curtis Harvey
03/03/2017	Rev-C: Added new models, reformatted to new standard.	Curtis Harvey
10/11/2021	Edited model #s, reformatted to new standard.	DW Barron