



FIRETUBE BOILER

High & Low Pressure | 100-400+ HP
ASME Section I & IV Compliant



ENGINEERED FOR REAL-WORLD EFFICIENCY

Simoneau's VALIANT® firetube boiler is a cost-effective, factory-assembled steam and hot water solution designed for manufacturers seeking reliability, simplicity, and operational efficiency. Its cylindrical 3-pass dryback design minimizes maintenance and maximizes uptime; ideal for facilities facing feedwater quality challenges or limited operator availability.



SIMPLE
MAINTENANCE



ENERGY
EFFICIENT



CODE COMPLIANT
& SAFE



PLUG-AND-PLAY
INSTALLATION



ADVANTAGES

- Uniform Stress Distribution:** The boiler's three-concentric flue gas pass design promotes even stress distribution during metal expansion and contraction.
- High-efficiency burner with 10:1 turndown and optimized heat transfer
- ASME Section I or IV, CSA approved, RBQ compliant
- Factory-assembled monobloc unit ready for quick connection and commissioning

COMBUSTION SYSTEM

FUEL TYPE

Natural gas at 2 psig

BURNER

Weishaupt WM G20/2 A, ZM

INTEGRATED FEATURES:

Combustion air fan,
CSA-approved valve trains
Flame observation port
TEFC high-efficiency motor
Quiet operation with isolated air intake
Stainless steel combustion head
Modbus RS485 communication

CONTROL SYSTEM

Siemens LMV37 linkageless modulation

EMISSIONS

NOx 30–75 ppm

TURNDOWN RATIO

10:1

ECO PERFORMANCE

Reduced NOx emissions

Lower fuel consumption

Optimized heat transfer

REQUEST INFORMATION

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PHYSICAL SPECIFICATIONS

Model*	Capacity (PPH)	A Length	B Width	C Height	D Capacity (HP)	Dry Weight	Operating Pressure
V-100H	3,450	181"	77 1/2"	87 3/8"	100	~13,917 lbs	Up to 150 psig**
V-150H	5,175	247 1/2"	77 1/2"	87 3/8"	150	~17,341 lbs	Up to 150 psig**
V-200H	6,900	228 1/2"	89 1/2"	99"	200	~21,925 lb	Up to 150 psig**
V-250H	8,625	262 1/2"	89 1/2"	99"	250	~24,487 lbs	Up to 150 psig**
V-300H	10,350	243"	95 1/2"	105 1/2"	300	~25,996 lb	Up to 150 psig**
V-400H	13,800	298"	95 1/2"	105 1/2"	400	~34,654 lbs	Up to 150 psig**

*Other sizes available upon request.

**Up to standard 150 psig or 250 psig, available upon request.

CONTROLS & SAFETY

Honeywell controls for operation, modulation, and high-limit protection	McDonnell Miller level controller
Manual reset auxiliary low-water cut-off	ASME-compliant safety valves
Water column with gauge glass and Warrick electrodes	Manual blowdown valves (slow and quick open)

CERTIFICATIONS

ASME Section I ou IV	RBQ compliance
CSA approval	Conforms to Québec's Bill 29 (repairability standards)
CRN	

INSTALLATION & OPTIONS

Factory-assembled monobloc unit
Ready for water, fuel, steam, vent, and electrical connections
Optional turnkey installation available (delivery, piping, chimney, commissioning, training)

BUILT FOR PERFORMANCE. BACKED BY EXPERIENCE

Simoneau's VALIANT® firertube boiler is the result of over 40 years of engineering, manufacturing, and service excellence. Designed to simplify operations and reduce lifecycle costs, VALIANT® delivers dependable steam with the flexibility and safety your facility demands. From design to delivery, our team is committed to helping you power your process with confidence and peace of mind.

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