



# EVOLTA



Engineered by Simoneau



Ecofriendly



Manufactured in Canada

TO FIND YOUR LOCAL REPRESENTATIVE

1 800 748.3783 / 450-641-9140 / [groupesimoneau.com](http://groupesimoneau.com)

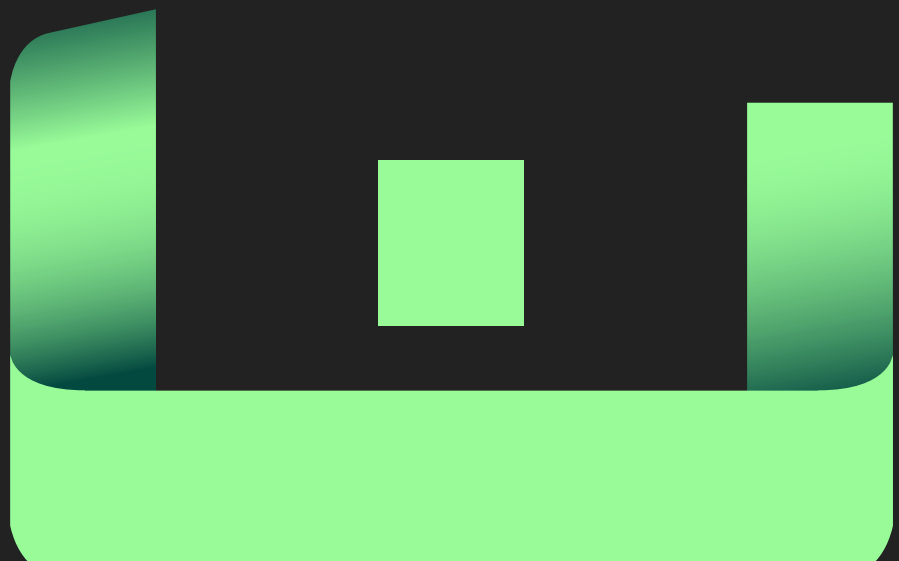
# **eVOLTA** **ELECTRIC BOILER**

## **THE COMPACT, ENERGY-EFFICIENT, AND ENVIRONMENTALLY FRIENDLY BOILER**

Engineered to deftly handle today's industrial hydronic or steam needs for various sectors, the eVolta is Simoneau's innovative electric boiler that's helping to shape a better tomorrow.

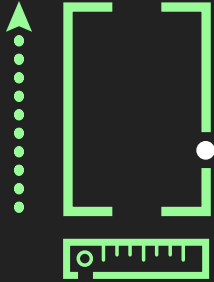
Just like all our boiler solutions, the eVolta is built using the latest in boiler innovations and in compliance with our strict manufacturing standards.

With the eVolta, you're tapping into maximized energy efficiency and actively reducing your carbon footprint thanks in part to its dual energy capacity – allowing you for example to use your building's energy source for the ramping-up process or for overnight standby maintenance.



# THE EVOLTA® ADVANTAGES

## COMPACT VERTICAL CONFIGURATION



Minimize your footprint. The eVolta is less bulky compared to a fuel-fired boiler with the same capacities. Some models (PL60, PL61 and PL62) can pass through a standard door opening (excluding model PL63).

## OPTIMUM WATER VOLUME



Allows for a quicker and more accurate response to load demands. For models PL60, PL61 and PL62.

## COMPLETE THERMAL EFFICIENCY



All the electrical energy is transferred to the boiler water and thermal insulation is optimized to reduce thermal losses.

## ENVIRONMENTALLY FRIENDLY



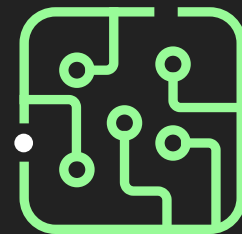
No greenhouse gas is generated. Odourless and noiseless, it is ideal for operation in a clean environment and for meeting greenhouse gases reduction objectives.

## LOW MAINTENANCE COST

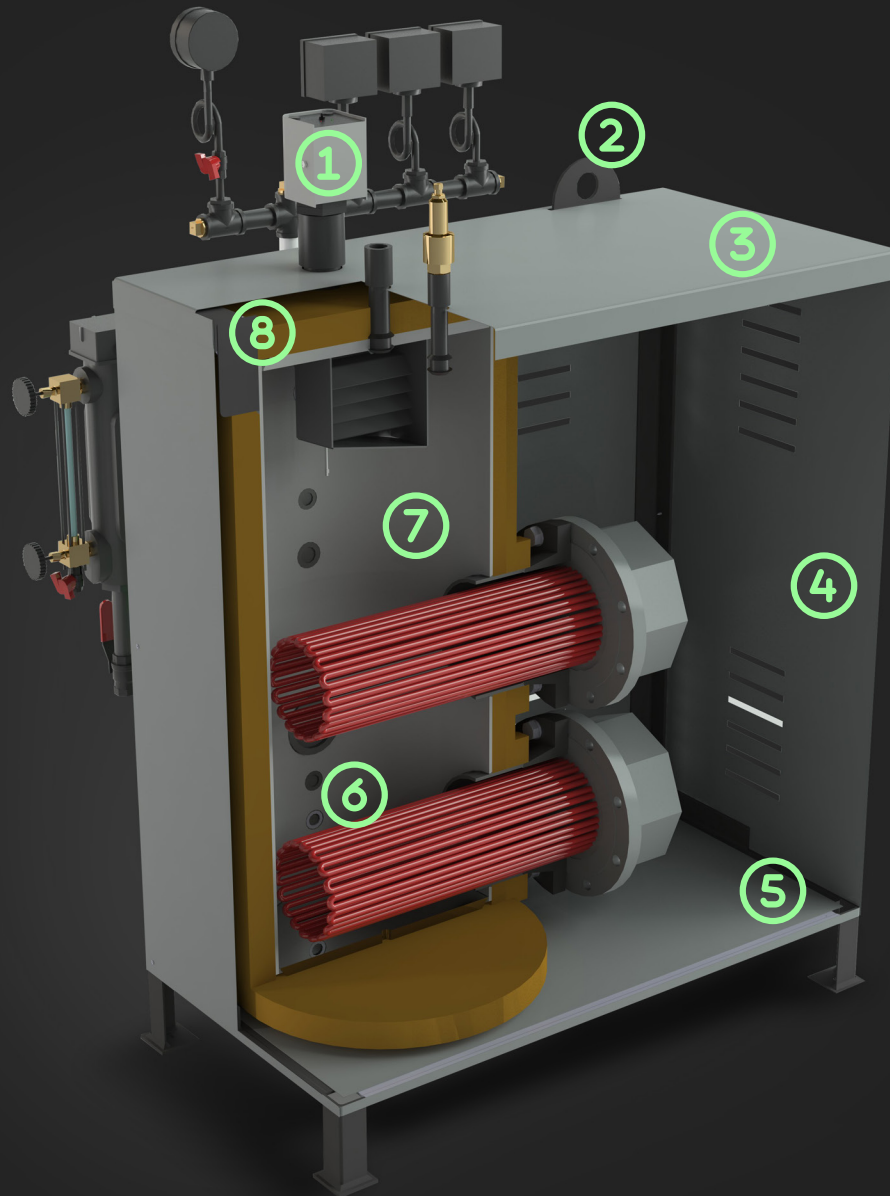


The eVolta's heating elements can be easily accessed and replaced. No combustion and no moving parts ensure easy and low-cost maintenance.

## FULLY AUTOMATED



Totally automatic and self-running, the eVolta provides a specifically designed stepped load modulation, optimizing the use of electrical power vs. load demand.



- ① Control and safety elements shop-mounted and tested
- ② Sturdy lifting lugs for safe handling
- ③ Aluminum outer casing
- ④ Large access door for easy inspection and maintenance
- ⑤ Industrial grade support structure
- ⑥ Inconel elements (copper and stainless steel available upon request) with a maximum watt density of 75 W/sq. in.
- ⑦ Pressure vessel designed per latest edition of the ASME code with its own Canadian Registration Number (C.R.N.)
- ⑧ 2" high-density insulation with air spacing to minimize heat loss

## CHARACTERISTICS

### SPECIFICATIONS

Low-pressure steam	≤ 15 psi*
High -pressure steam	≤ 150 psi
Hot water	Low and high temperature
Glycol	Low and high temperature
Thermal liquids	Low and high temperature
Capacity	From 18 to 3600 kW (depending on the PL model)
Registered at the National Board (NB) (except in Quebec)	ASME Code Compliant

\* very high pressure available on request, < 150 psi

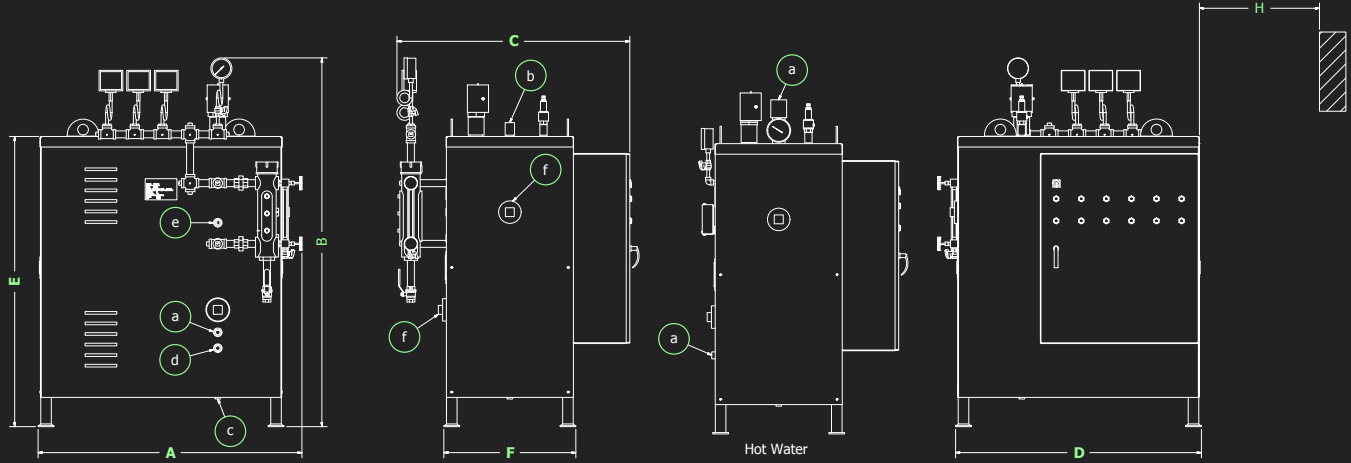
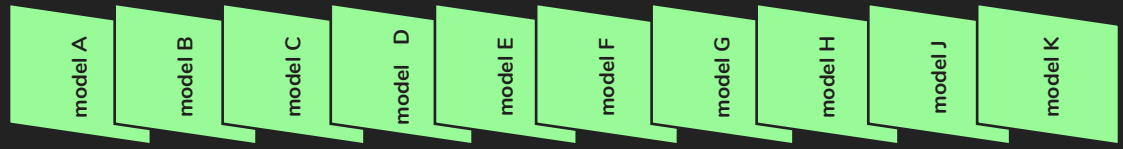
### BURNER MANAGEMENT

Control	Full range / choice of controls
Fuel	Voltage 208V to 575V

### ECHO CHART

Emission	0 emission
Sourcing	Local sourcing of material

# SELECTION CHART



DIMENSIONS\*

MODEL	A	B	C	D	E	F	G	H	J	K
A Overall length	50	50	50	52 <sup>3/4</sup>	52 <sup>3/4</sup>	52 <sup>3/4</sup>	80 <sup>1/2</sup>	87	94	100 <sup>1/4</sup>
B Overall height	69 <sup>3/4</sup>	69 <sup>3/4</sup>	69 <sup>3/4</sup>	95 <sup>3/4</sup>	95 <sup>3/4</sup>	95 <sup>3/4</sup>	120	141	156	169 <sup>1/2</sup>
C Overall width	44	44	44	51 <sup>1/2</sup>	51 <sup>1/2</sup>	51 <sup>1/2</sup>	57 <sup>1/2</sup>	62 <sup>3/4</sup>	69 <sup>1/2</sup>	75 <sup>1/4</sup>
D Boiler length	46 <sup>1/2</sup>	46 <sup>1/2</sup>	46 <sup>1/2</sup>	52 <sup>1/4</sup>	52 <sup>1/4</sup>	52 <sup>1/4</sup>	80 <sup>1/2</sup>	87	94	100 <sup>1/4</sup>
E Boiler height	55	55	55	86	86	86	106	126 <sup>1/2</sup>	141 <sup>1/2</sup>	155
F Boiler width	25	25	25	31	31	31	37	43	49	55
H Clearance to remove elements	22 <sup>3/4</sup>	22 <sup>3/4</sup>	22 <sup>3/4</sup>	27 <sup>3/4</sup>	27 <sup>3/4</sup>	27 <sup>3/4</sup>	34 <sup>1/2</sup>	41	47 <sup>1/2</sup>	53 <sup>3/4</sup>
Shipping weight (lbs)	827	862	966	1259	1412	1541	2204	3080	3904	4936

OPENINGS\*

a Feedwater inlet	.75	.75	.75	.75	.75	.75	.75	.75	1	1
a Water inlet and outlet (Hot water)	2	2	2	2	2	2	2	2	2.5	3
b Steam outlet (150 psig)	1	1	1	1.5	1.5	1.5	1.5	1.5	2	2
b Steam outlet (15 psig)	2	2	2	2	3	3	3	3	4	4
c Blowdown	.75	.75	.75	1	1	1	1	1	1.25	1.25
d Chemical injection inlet	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75
e Continuous blowdown	.75	.75	.75	1	1	1	1	1	1.25	1.25
d Inspection	3	3	3	3	3	3	3	3	3	3

\*Dimensions in inches