



With over 50 years of experience, Windsor Energy supplies efficient, reliable thermal energy systems to a wide range of industries and institutions. Windsor continues to innovate its product range, combining proven engineering with current technology to support customers' energy and decarbonisation needs.

eVolta® ERB Series (Electric Resistance Boilers)

The eVolta® ERB Series is an electric resistance steam boiler designed to support industrial decarbonisation. Designed in Canada, Windsor have partnered with Simoneau to offer a boiler that fully complies with NZ boiler and seismic regulations.

Electrical switch panels supply voltages are available 400V and 690V for most models. The boiler controls and switch panels are designed and built in NZ to fully comply with NZ electrical standards fitted with proven and readily available componentry and trusted brands.

Reasons to Invest in Windsor and the eVolta® ERB Series

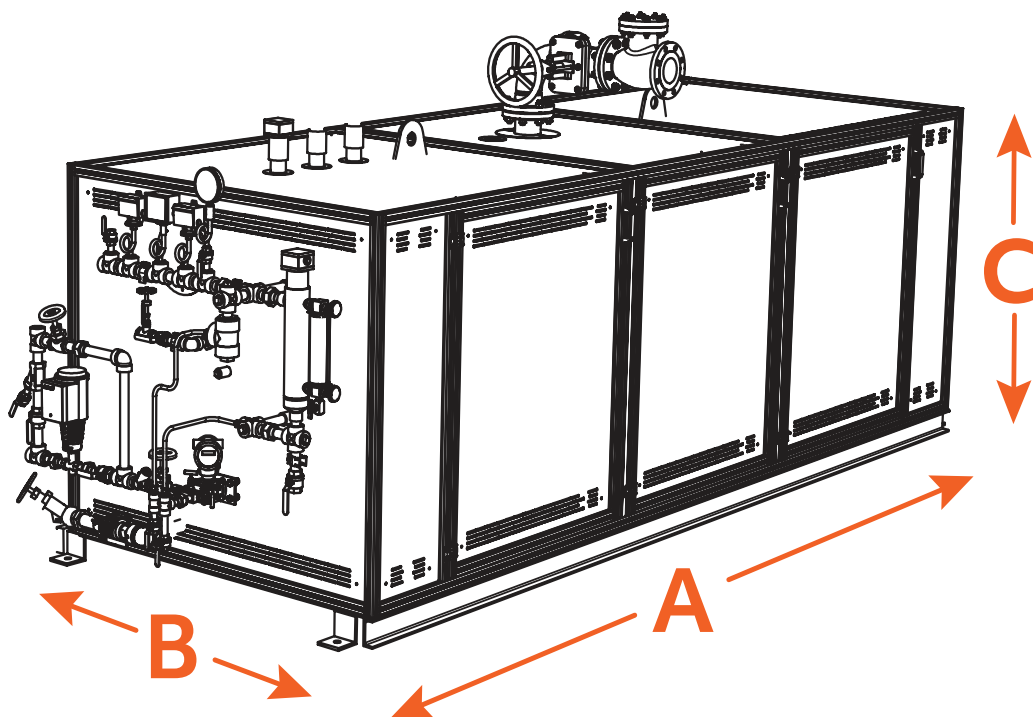
The eVolta® ERB Series is suited to sites seeking reliable steam generation where electrification, low emissions, and reduced maintenance are key project drivers.

- Environmentally friendly, no emissions and silent operation
- Designed and tested to ASME section IV with H-stamp compliance
- Low cost installation and maintenance
- High energy efficiency of ~99% over the entire operating range

SIMONEAU

Key Features

- Flanged heating element assemblies
- Fully solid-state SCR (Silicon Controlled Rectifier) control with no mechanical contactors, providing precise power modulation and enhanced reliability
- Integrated steam separator demister to ensure high quality steam
- Large access doors for easy inspection and maintenance
- Switch and control cabinets can be mounted adjacent to the boiler or remotely
- Integrated boiler control panel with Allen Bradley CompactLogix PLC and HMI screen



Model	Rating kg/h*	Length (A)	Width (B)	Height (C)	Panel Width	Panel Depth	Panel Height	No. of Pumps	Main Stop NB	Empty Weight kg	Operating Weight kg
ERB-500	735	1270	1140	2240	1425	600	2160	1	50	1590	2270
ERB-1000	1485	2740	1250	1190	2425	600	2160	1	80	2725	3630
ERB-1500	2230	2740	1250	1190	2850	600	2160	2	80	3175	4540
ERB-2000	2975	4130	1470	1320	3275	600	2160	2	100	3950	5670
ERB-2500	3665	5030	1650	1470	3700	600	2160	2	100	4540	6580
ERB-3000	4455	5030	1650	1470	4125	600	2160	2	100	5670	9075
ERB-3500	5175	5030	1650	1470	4550	600	2160	2	150	6805	9980
ERB-4000	5910	5590	1850	1650	4975	600	2160	2	150	7715	10890

*Anticipated rating for saturated steam output at 10barg, nominal feed water temperature 85°C

Why Windsor Energy?

As a trusted provider of energy plant and services in New Zealand and around the world, Windsor Energy offers the following advantages:

- Extensive installed base of heat plants in a range of industries.
- Modular plant package, optimised for long-distance transport of components, and efficient, safe assembly at destination.
- Innovative plant design for high efficiency, simple operation, high availability and low overall cost of ownership.