

# ELECTRIC STEAM BOILERS

## VS 300 & VS 610 SERIES 10kW - 480kW

### Designed to Australian Standards

All Simons Boilers are designed to **Australian Standard No. 1228**. The electric Steam Boiler is widely accepted as the most preferred type of boiler to satisfy a demand for steam up to 400 – 500kW (40 – 50 hp) with pressures to 725kPa where a simple, maintenance free and economical installation is required.

### Features

- **Capacity** - up to 480 kilowatts (48 hp).
- **Electric elements** - side entry individually flanged and bolted to provide quick and simple replacement at minimum cost.
- **Fully packaged** - with feed water pump mounted inside boiler cabinet, all integrally piped and wired, pretested ready for connection to services.
- **Restyled cabinets** - with hinged door and panels to provide ready access to all working components.
- **Working pressures** to 725kPa (105 P.S.I.G) Higher pressures available on request.
- **Approved** in all states of Australia and many other countries.

### Advantages

- No Boiler attendant required.
- Simple installation requires only connection of water and electricity.
- No Flue - No Fire - No Risk of Explosion - No Fumes or smell
- Can be installed adjacent to steam appliance in workplace.
- Negligible heat generated to surrounding area.
- Simple to operate and maintain - no sophisticated burner / ignition / draft controls.
- All spare parts available ex stock.
- Fully qualified after sales service.
- Comprehensive operating and maintenance instruction, wiring and piping diagrams accompany each boiler.
- **Supported by a sales and service network throughout Australia, Asia and the Middle East.**



**VS 610 SERIES**  
80 TO 480 KILOWATTS



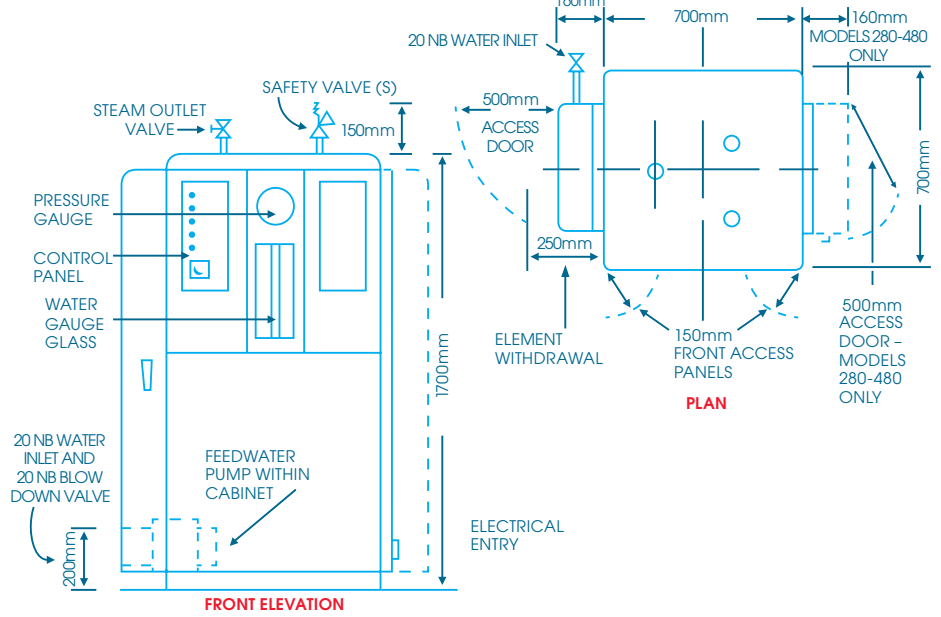
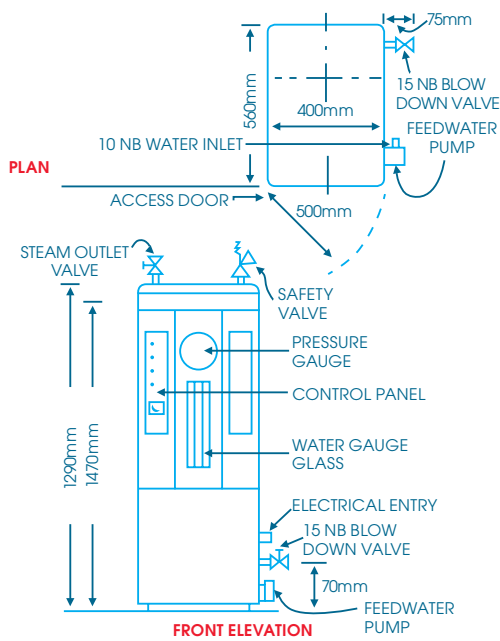
**VS 300 SERIES**  
10 TO 80 KILOWATTS

### Applications

- Hospital Sterilisers.
- Autoclaves.
- Laundries.
- Dry cleaners.
- Industrial process heating.
- Steam jacketed pans for heating food, pharmaceutical, cosmetic and chemical products etc.
- Humidification to air conditioning systems for humidity control
- Steam injection to bakery and pastry ovens, dairies, tool steel, cable making etc.
- University research, teaching and development applications.
- Horticultural soil sterilising.
- Apiaries.
- Steam rooms.
- Tyre retreading equipment.

# VS 300 SERIES

# VS 610 SERIES



BOILER MODEL	ELECTRIC CAPACITY kW	BOILER HORSEPOWER	STEAM CAPACITY kg/hr FROM AND AT 100°C	STEAM CAPACITY kg/hr AT 680 kPa	HEAT UP TIME FROM COLD START - MINUTES	WATER CONTENT LITRES	AMPS PHASE 4/15/3/50	NO. OF PHASES	NO. OF ELEMENTS	FEED WATER PUMP MOTOR - kW	OPERATING WEIGHT kg	SHIPPING WEIGHT kg	SHIPPING VOLUME M <sup>3</sup>	STEAM OUTLET VALVE SIZE mm	SAFETY VALVE NO.	INLET SIZE mm
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## VS 300 Series

VS 300 - 10	10	1	15.9	13.4	46	42	14	3	1	0.25	210	210	1.0	15	1	15
VS 300 - 20	20	2	31.8	26.7	23	42	28	3	1	0.25	210	210	1.0	15	1	15
VS 300 - 30	30	3	47.7	40.1	15	42	42	3	2	0.25	210	210	1.0	15	1	15
VS 300 - 40	40	4	63.6	53.4	11	42	56	3	2	0.25	210	210	1.0	15	1	20
VS 300 - 50	50	5	79.5	66.8	9	42	69	3	3	0.25	210	210	1.0	15	1	20
VS 300 - 60	60	6	95.5	80.2	8	42	83	3	3	0.25	210	210	1.0	15	1	20
VS 300 - 80	80	8	127.3	106.9	5	42	111	3	3	0.25	210	210	1.0	15	1	20

## VS 610 Series

VS 610 - 80	80	8	127.3	106.9	29	200	111	3	2	1.1	650	560	2.62	25	1	20
VS 610 - 100	100	10	159.1	133.6	22	200	139	3	3	1.1	650	560	2.62	25	1	20
VS 610 - 120	120	12	190.9	160.4	19	200	167	3	3	1.1	650	560	2.62	25	1	20
VS 610 - 160	160	16	254.5	213.8	14	200	222	3	4	1.1	650	560	2.62	25	1	20
VS 610 - 200	200	20	318.2	267.3	11	200	278	3	5	1.1	650	560	2.62	25	1	20
VS 610 - 240	240	24	381.8	320.7	10	200	333	3	6	1.1	650	560	2.62	25	1	20
VS 610 - 280	280	28	445.5	374.2	8	200	389	3	7	1.5	740	650	2.62	40	1	20
VS 610 - 300	300	30	477.3	401.0	7	200	417	3	8	1.5	740	650	2.62	40	1	20
VS 610 - 320	320	32	509.1	427.6	7	200	444	3	8	1.5	740	650	2.62	40	1	20
VS 610 - 360	360	36	572.7	481.1	6	200	500	3	9	1.5	740	650	2.62	40	2	20
VS 610 - 400	400	40	636.4	534.6	6	200	556	3	10	1.5	740	650	2.62	40	2	20
VS 610 - 440	440	44	700.0	588.0	5	200	611	3	11	1.5	740	650	2.62	40	2	20
VS 610 - 480	480	48	763.6	641.5	5	200	667	3	12	1.5	740	650	2.62	40	2	20

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