



VS 300 SERIES
10 TO 80 KILOWATTS

VS 610 SERIES
80 TO 480 KILOWATTS

ELECTRIC STEAM BOILERS

VS 300 & VS 610 SERIES 10kW - 480kW

All Simons Boilers are designed to Australian Standard 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 h.p.) with pressures to 725 kPa, where a simple, maintenance free and economical installation is required. High Pressure Boilers are available on request.

FEATURES

- **Capacity** - extended 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 to boiler cabinet, all integrally piped and wired, pretested ready for connection to services.
- **Restyled cabinets** - with panels to provide ready access to all working components.
- **Working pressures** to 725k Pa (105 P.S.I.G) higher pressures available.
- **Approved** in all states of Australia.

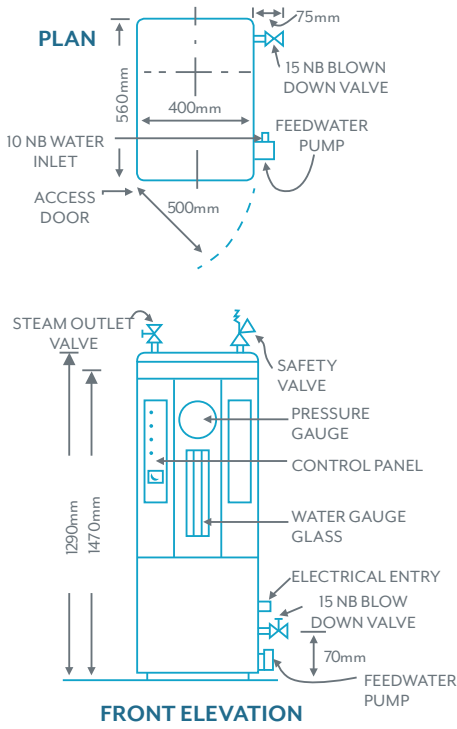
ADVANTAGES

- 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

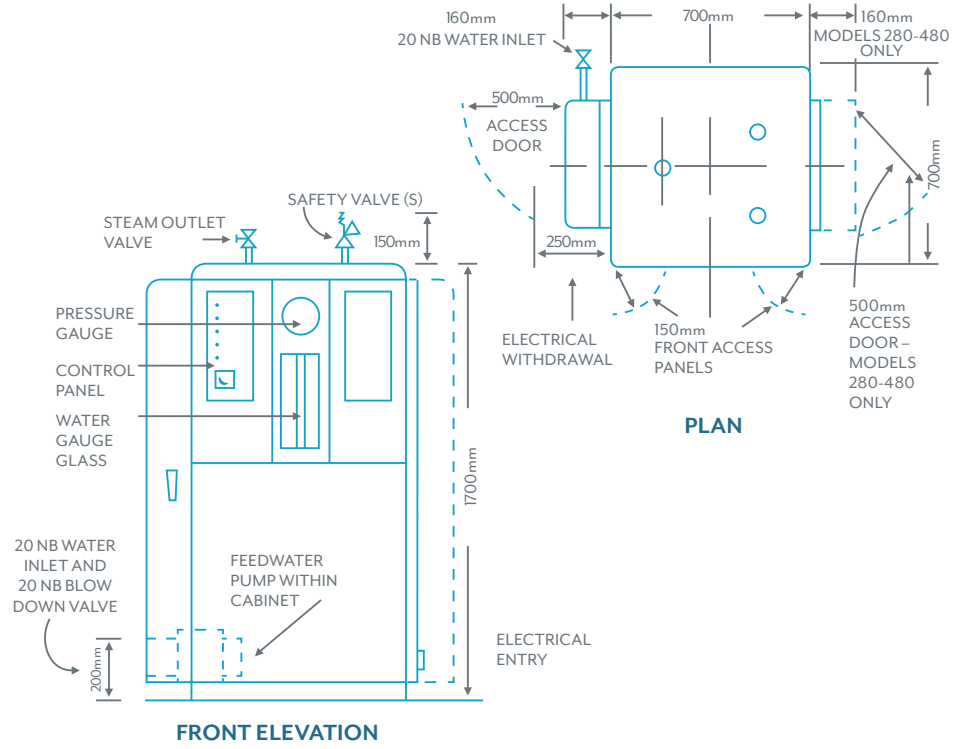
APPLICATIONS

- Hospital Sterilizers
- 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 690 kPa	HEAT UP TIME FROM COLD START - MINUTES	WATER CONTENT LITRES	AMPS PHASE 415/3/50	NO. OF PHASES	NO. OF ELEMENTS	FEED WATER PUMP MOTOR - kW	OPERATING WEIGHT kg	SHIPPING WEIGHT kg	SHIPPING VOLUME M ³	STEAM OUTLET VALVE SIZE mm	SAFETY VALVE NO.	INLET SIZE mm
VS 300 Series																
VS 300 - 10	10	1	15.5	13.4	46	42	14	3	1	0.25	210	210	1.0	15	1	15
VS 300 - 20	20	2	31	26.7	23	42	28	3	1	0.25	210	210	1.0	15	1	15
VS 300 - 30	30	3	46.5	40.1	15	42	42	3	2	0.25	210	210	1.0	15	1	15
VS 300 - 40	40	4	62	53.4	11	42	56	3	2	0.25	210	210	1.0	15	1	20
VS 300 - 50	50	5	77.5	66.8	9	42	69	3	3	0.25	210	210	1.0	15	1	20
VS 300 - 60	60	6	93	80.2	8	42	83	3	3	0.25	210	210	1.0	15	1	20
VS 300 - 80	80	8	124	106.9	5	42	111	3	3	0.25	210	210	1.0	15	1	20
VS 610 Series																
VS 610 - 80	80	8	124	106.9	29	200	111	3	2	2.2	650	560	2.62	25	1	20
VS 610 - 100	100	10	155	133.6	22	200	139	3	3	2.2	650	560	2.62	25	1	20
VS 610 - 120	120	12	186	160.4	19	200	167	3	3	2.2	650	560	2.62	25	1	20
VS 610 - 160	160	16	248	213.8	14	200	222	3	4	2.2	650	560	2.62	25	1	20
VS 610 - 200	200	20	310	267.3	11	200	278	3	5	2.2	650	560	2.62	25	1	20
VS 610 - 240	240	24	372	320.7	10	200	333	3	6	2.2	650	560	2.62	25	1	20
VS 610 - 280	280	28	434	374.2	8	200	389	3	7	2.2	740	650	2.62	40	1	20
VS 610 - 300	300	30	465	401.0	7	200	417	3	8	2.2	740	650	2.62	40	1	20
VS 610 - 320	320	32	496	427.6	7	200	444	3	8	2.2	740	650	2.62	40	1	20
VS 610 - 360	360	36	558	481.1	6	200	500	3	9	2.2	740	650	2.62	40	2	20
VS 610 - 400	400	40	620	534.6	6	200	556	3	10	2.2	740	650	2.62	40	2	20
VS 610 - 440	440	44	682	588.0	5	200	611	3	11	2.2	740	650	2.62	40	2	20
VS 610 - 480	450	48	744	641.5	5	200	667	3	12	2.2	740	650	2.62	40	2	20

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