



# SUSSMAN

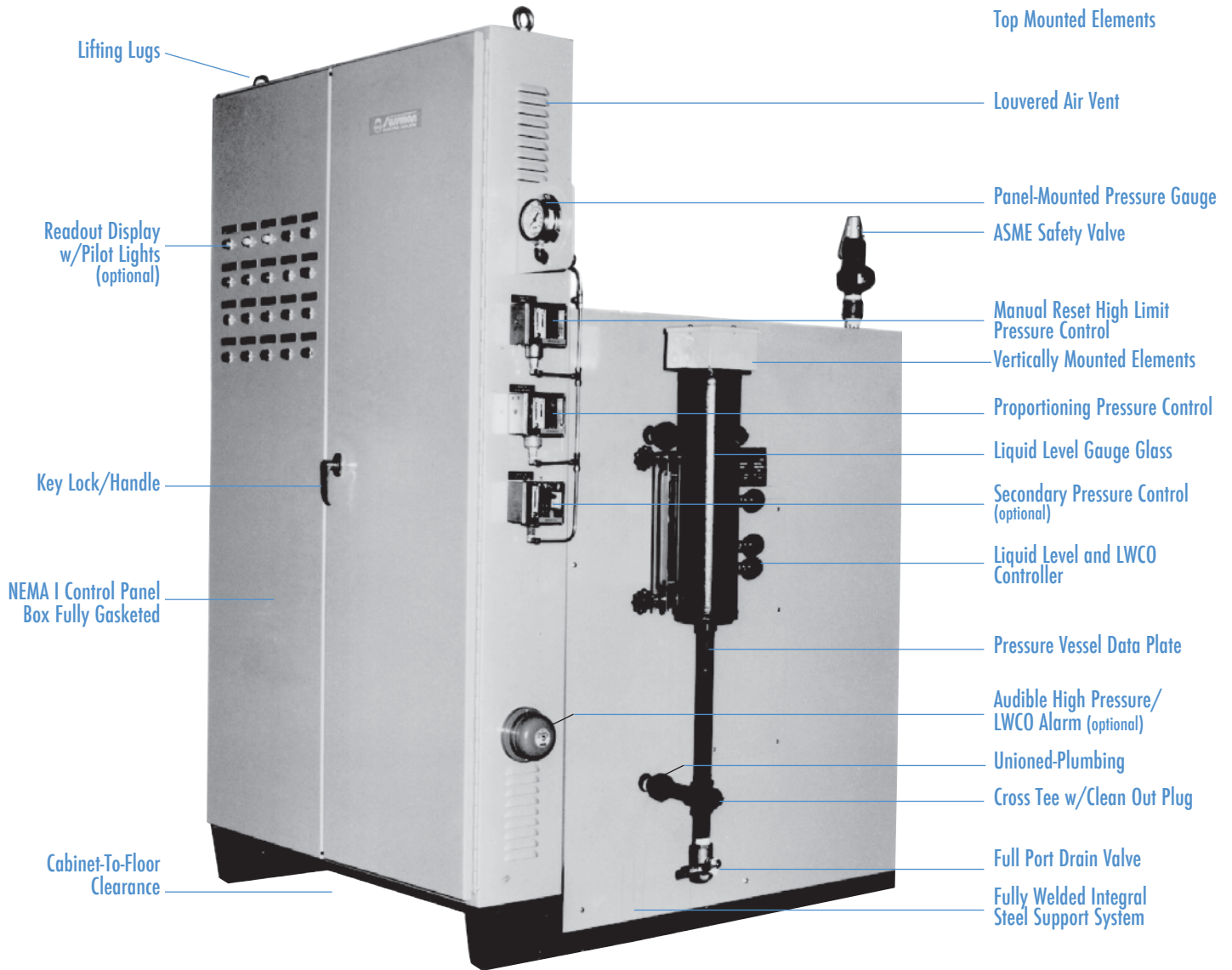
## ELECTRIC BOILERS

KW Rating: 12 to 1650

Lbs/Hr Sat. Steam: 36 to 5000

PSIG Range: 0 to 250

### SVS Electric Steam Boilers



*Boiler may not be exactly as shown*

### **Sussman SVS Electric Boilers: Versatile Easy-to-Use Heat Sources for Low or High Pressure Steam.**

Application include steam for:

- Chemical Tanks
- Reactors, Distillation and Autoclaves
- Dyestuffs
- Food Processing
- Jacketed Vessels for Processes
- Pipe Tracing
- Viscous Material
- Fuel Oil Line Heating
- Anti-Freeze Protection
- Comfort Heating & Humidification

### **Sussman SVS Electric Boilers are Engineered for:**

- Easy Installation
- Automatic Operation
- Clean, Fume-Free, Quiet, Reliable Steam at the Turn of a Switch
- Primary or Alternate Source of Steam
- Low Maintenance
- No Fuel Delivery/Storage Problems
- Factory Tested – Ready to Operate

## SVS-Standard Features

- Insulated Carbon Steel Pressure Vessel ASME Section 1, 150 PSIG with "S" Code Stamp.
- Built to UL, National Board Registration
- Standard 150 PSIG Design – Higher Pressures Available
- Fully Insulated Vessel, 2" Thick Insulation
- ASME Code Safety Valve
- NPT Inlet/Outlet Fittings Up to 3-1/2", Flanged Inlet/Outlet Fittings for 4" and over (see Specification Chart)
- Vertically Mounted Incoloy Sheathed Immersion Elements Complete with Epoxy End Seal
- NEMA I, Epoxy Finished Gasketed/Louvered Control Panel and Heater Enclosure
- Blowdown/Drain Valve
- Pressure Gauge with Isolating Stopcock
- Liquid Level Gauge Glass Assembly
- Backflow Check Valve and Solenoid Feedwater Valve
- Standard Pressure Range 20-150 PSIG (higher pressures may be available on request)
- Modulating Pressure Control (standard over 90A)
- Electronic Feedwater Control
- Boiler Operating Mode Indicator Lights
- Sub-Divided Circuit Fusing, Class "J", HRC Form 1
- Industrial Rated Magnetic Contactors
- Manual Reset High Limit Pressure Control
- Main & Auxiliary Low Water Cut Off Controls
- 120V Control Circuit c/w On/Off Switch and Indicating Pilot Light
- 120VAC Control Circuit Transformer w/primary & secondary fusing
- Manual Reset Low Water Cutoff

## SVS Optional Equipment

- Steam Outlet Globe Valve (150 PSIG)
- Timed Automatic Blowdown Systems
- Auxiliary Low Water Cutoff
- Auxiliary High Pressure Cutoff, for Auto or Manual Reset
- High Pressure Alarm
- Low Pressure Alarm
- Audible Alarm with Silencer
- Pilot Light for each Heating Stage
- Manual Off/Auto Switch for each Heating Stage
- Voltmeter, with 3 Position Selector
- Wattmeter
- Ammeter with 3 Position Switch
- Unfused Disconnect Switch
- Safety Door Interlock Switch
- Motor Starter with Overloads
- Flanged Inlet/Outlet
- Vacuum Breaker
- kW-HR meter
- Ground Fault Indicator

## SVS Electrical Information

Model	KW*	BHP Rating	Lbs. Steam/Hr 212°F**	3 Phase Voltage*	Total Amperage Draw
SVS 210	210	21.4	633	240 480	506 253
SVS 240	240	24.5	723	240 480	578 289
SVS 300	300	30.6	904	240	722
SVS 350	360	36.7	1054	480	434
SVS 400	396	40.4	1204	480	477
SVS 450	450	45.9	1355	480	542
SVS 500	504	51.4	1505	480	606
SVS 550	540	55.1	1656	480	650
SVS 600	612	62.4	1806	480	736
SVS 650	648	66.1	1957	480	780
SVS 700	684	69.8	2137	480	823
SVS 750	756	77.1	2258	480	910
SVS 800	792	80.8	2408	480	953
SVS 900	900	91.8	2709	480	1084
SVS 1000	1008	102.8	3010	480	1213

\*Other Voltages, KW ratings available

\*\*With 50° feedwater, Output higher with hotter feedwater.

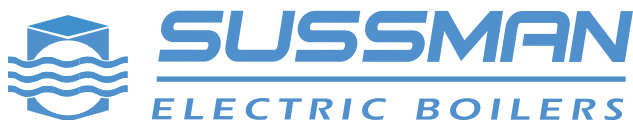
Specify Model, KW, Voltage, PPH, trim pressure & optional equipment

- Notes:
- Add 36 inches to "H" dimension for element removal.
  - Depending on V/PH, options, please consult factory for dimensions & weight.

## SVS Electrical Boiler Specifications Standard Design pressure: 150 PSIG

Model	kW	BPH	PPH
SVS 200	200	20	602
SVS 210	210	21	633
SVS 240	240	24	723
SVS 270	270	27	812.7
SVS 300	300	30	904
SVS 350	350	35	1054
SVS 400	400	40	1204
SVS 450	450	45	1355
SVS 500	500	50	1505
SVS 550	550	55	1656
SVS 600	600	60	1806

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