



SUSSMAN

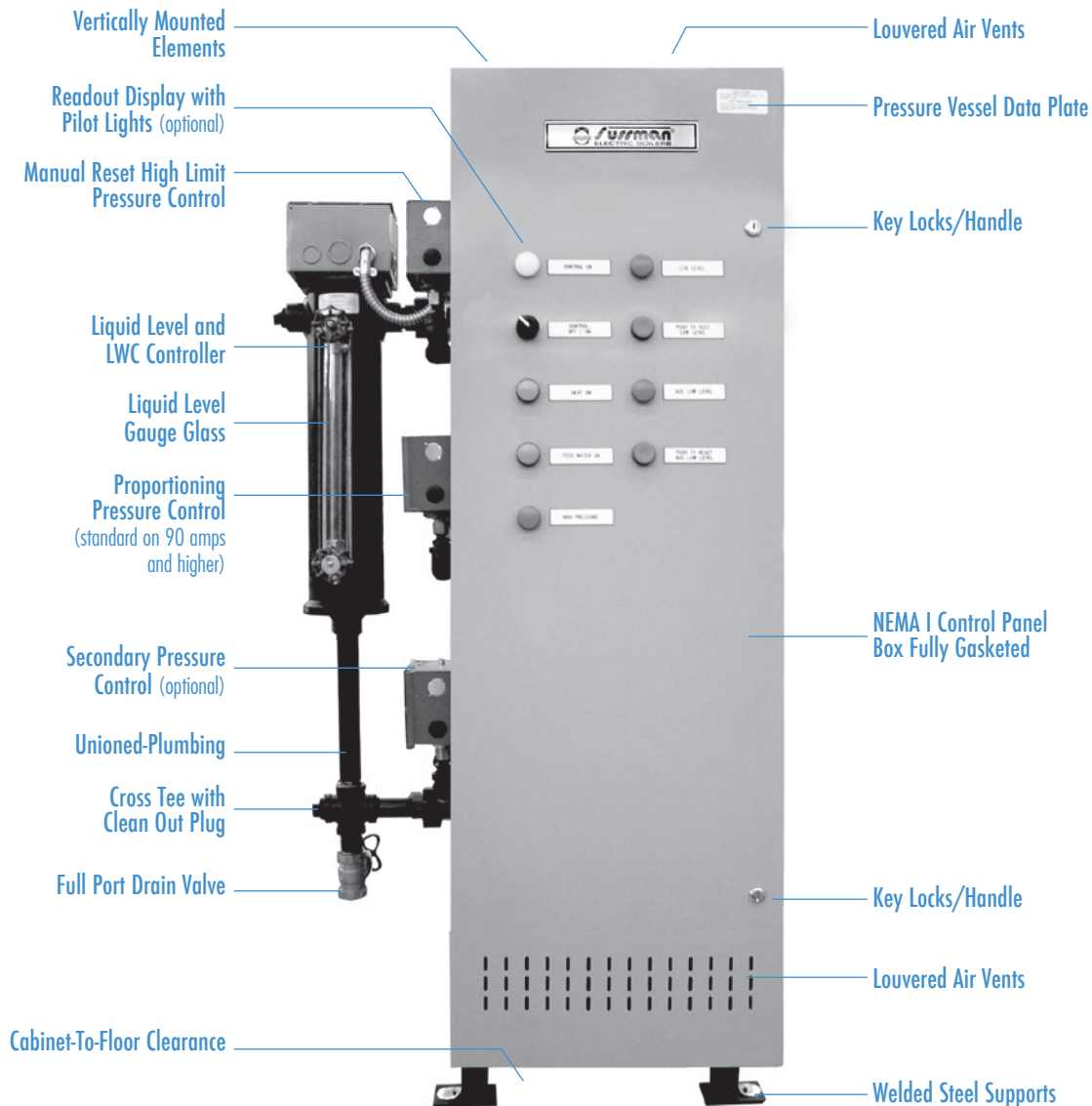
ELECTRIC BOILERS

KW Rating: 12 to 180

Lbs/Hr Sat. Steam: 36 to 542

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—Lower & 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
- Vertically Mounted Incoloy Sheathed Immersion Elements Complete with Epoxy End Seal
- NEMA I, Epoxy Finished Gasketed/Louvered Control Panel & Heater Enclosure
- Blowdown/Drain Valve
- Pressure Gauge with Isolating Stopcock
- Liquid Level Gauge Glass Assembly
- Check Valve and Solenoid Feedwater Valve
- Standard Pressure Range 20-150 PSIG (lower & higher pressures may be available on request)
- Modulating Pressure Control (standard over 90 Amps)
- 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, On/Off Switch and Indicating Pilot Light
- 120VAC Control Circuit Transformer w/primary and 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

Boiler Model	kW*	BHP Rating	Lbs./Hr. Steam**	3 Phase Voltage*	Amps
SVS 12*	12	1.22	36.2	208 240 480	34 29 15
SVS 18*	18	1.84	54.2	208 240 480	50 44 22
SVS 24*	24	2.45	72.3	208 240 480	67 58 29
SVS 30*	30	3.06	90.4	208 240 48	84 73 37
SVS 36*	36	3.67	108	208 240 480	100 87 44
SVS 48	48	4.90	145	208 240 480	134 116 59
SVS 60	60	6.12	181	208 240 480	167 145 73
SVS 72	72	7.35	217	208 240 480	200 174 87
SVS 100	108	11.0	325	208 240 480	300 260 130
SVS 135	144	14.6	433	208 240 480	400 347 173
SVS 160	158	16.1	475	240 480	379 190
SVS 180	180	18.4	542	240 480	434 217

*Other Voltages, KW ratings available

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

***Approximate unpacked weight

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.

PUR 100193-S 6/17



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