



SUSSMAN
ELECTRIC BOILERS

SSB PARTS LIST

SSB Electric Steam Boiler Parts

Effective June 1, 2014; updated July 1, 2014



TYPICAL ARRANGEMENT

SSB Boiler

A Division of Sussman-Automatic Corporation

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PUR 100479 Rev 6.14

SSB PARTS PRICE LIST

PART #	DESCRIPTION
STEAM SAFETY VALVES	
103157	100 PSIG 1/2" NPT (SSB12 to SSB72)
99137SS	100 PSIG 1" NPT (SSB100 toSSB180)
99140SS	15 PSIG 1" NPT
PRESSURE CONTROLS	
103263	SWITCH 18 PSIG SS PRESSURE CONTROL
103264	TRANSDUCER 18 PSIG SS PRESSURE CONTROL
103215	SWITCH 100 PSIG SS PRESSURE CONTROL
103216	TRANSDUCER 100 PSIG SS PRESSURE CONTROL
103218	SWITCH 100 PSIG SS PRESSURE CONTROL
103219	TRANSDUCER 100 PSIG SS MR PRESSURE CONTROL
103801	SWITCH 18 PSIG SS MR PRESSURE CONTROL
103802	TRANSDUCER 18 PSIG SS MR PRESSURE CONTROL
MOTORS & PUMPS	
99157SS	PUMP & MOTOR 1/2 HP, 15V or 230V 60 HZ (SSB100 to SSB180)
99160SS	PUMP & MOTOR 1/3 HP 115V or 230V 60 HZ (SSB12 to SSB72)
SOLENOIDS	
99031SS	WATER SOLENOID COMPLETE 1/2" 120V 50/60 HZ
99032SS	WATER SOLENOID COMPLETE 1/2" 240V 50/60 HZ
MISCELLANEOUS VALVES & PRESSURE GAUGES	
99604SS	1/2" Strainer
99167	CHECK VALVE - SPRING 1/2" (SSB 12 to SSB 18)
99178	DRAIN VALVE 1/2" STEAM
99178BSS	BALL VALVE 1/2" STEAM ES 135
99180SS	Ball VALVE 1/4"
99606SS	BALL VALVE 1" STEAM
99607SS	PRESSURE GAUGE 1-1/2" - 0-160 PSIG

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PART #	DESCRIPTION
TERMINAL BLOCK & FUSES	
99207	TERMINAL BLOCK, 3 Pole 150 Amp (ES12 to ES18)
99264-6	FUSE - 10 AMP 250V
99209B	FUSE CUT OUT 1 POLE
99314	POWER CIRCUIT FUSE 250V 60 A (ES72 to ES180)
99315	FUSE BLOCK FOR 99314
99316	POWER CIRCUIT FUSE 600V 60 A (ES72 to ES180)
99317	FUSE BLOCK FOR 99316
99539	POWER CIRCUIT FUSE 600V 60 A Class "J"
99555	FUSE BLOCK FOR 99539 60 AMP
99545	TERMINAL BLOCK FOR CONTROL CIRCUIT
99593	TERMINAL BLOCK (215A) FOR 5 CONTACTORS
99594	TERMINAL BLOCK (325A) FOR 6 CONTACTORS
99596	TERMINAL BLOCK (575A) FOR 10 CONTACTORS
MISCELLANEOUS	
92827	TOGGLE SWITCH
92829	PILOT LIGHT
92830	BOILER ON/OFF SWITCH W/PILOT LIGHT
BOILER GASKET, FLANGE & BOLTS	
99087	BLANK FLANGE 4-1/2 x 4-1/2 (SSB Series)
99096	GASKET
99547B	ELEMENT BOLT (QTY of 1)
99547	ELELEMENT BOLT (QTY of 6)
99088	SLIC TITE
99524-6T	18" #6 WIRE W/ TERMINAL END
99524	#6 WIRE (per ft.)
97116	RING TERM
103540	BOILER GASKET KIT
AUTOMATIC BLOWDOWN SYSTEM	
99348	MANUAL BLOWDOWN SWITCH
103662	TIME CLOCK - 120V, 60 HZ
99353	DELAY TIMER RELAY 130 BOARD
103661	MOTOR DRIVEN BALL VALVE - 120V 1" NPT
99363	RELAY DPDT - 120V

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PART #	DESCRIPTION
PARTS FOR MM150 AUTOMATIC FEED CONTROL & LOW WATER CUTOFF	
99601F	FLOAT
99601G	GASKET FOR MERCROID
99601SS	LOW WATER CUTOFF & AUTOMATIC WATER FEEDER, MM150 RAINGE 0-100 PSIG (ES SERIES)
SOLID STATE PROBE TYPE LOW WATER CUTOFF & WATER FEED CONTROLS	
90229	SPARK PLUG
90229-1	ELECTRODE
99807B	STAINLESS STEEL PROBE - 9 IN.
90241MRSS	AUXILIARY LWCO BOARD - SSB
103156-1	AUXILIARY LWCO BOARD - MR
103163	PROBE BOOT

SSB HEATING ELEMENTS

PART #	KW	VOLTAGE/PHASE
39123BSS	12	208/3
39123CSS	12	240/3
39123DSS	12	380/3
39123ESS	12	415/3
39123FSS	12	480/3
39123GSS	12	600/3
39183GSS	18	600/3
39183BSS	18	208/3
39183CSS	18	240/3
39183DSS	18	380/3
39183ESS	18	415/3
39183FSS	18	480/3
39183GSS	18	600/3
39223CSS	22.5	240/3
39223DSS	22.5	380/3
39223FSS	22.5	480/3

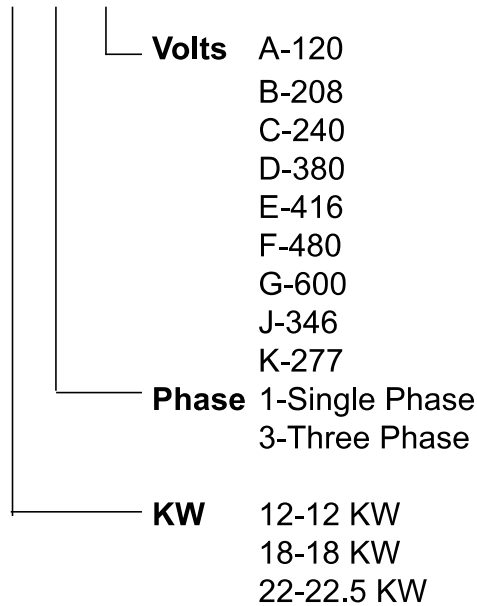
Elements shipped with gasket, bolts and sealing compound.

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SSB ELEMENT SELECTION CHART

MODEL #	TOTAL KW	ELEMENTS			
		QTY	KW	QTY	KW
SSB-12	12	1	12		
SSB-18	18			1	18
SSB-24	24	2	12		
SSB-30	30	1	12	1	18
SSB-36	36			2	18
SSB-48	48	1	12	2	18
SSB-60	60	2	12	2	18
SSB-72	72			4	18
SSB-85	85			5	18
SSB-100	102			6	18
SSB-135	136			8	18
SSB-160	158			7	22
SSB-180	180			8	22

ELEMENT PART NO. 39 X X X SS



Example: 39183BSS – 18KW, 3 Phase, 208 Volts

SSB CONTACTOR SELECTION CHARTS

QUANTITY AND AMPS

VOLTS/PH	208/1	240/1	208/3	240/3	346/3	380/3	415/3	480/3	600/3
SSB-12	1-75	1-60	1-50	1-50	1-50	1-50	1-50	1-50	1-50
SSB-18	*	*	1-60	1-50	1-50	1-50	1-50	1-50	1-50
SSB-24	2-75	2-60	2-50	2-50	1-50	1-50	1-50	1-50	1-50
SSB-30	—	—	2-60	2-50	1-60	1-50	1-50	1-50	1-50
SSB-36	—	—	2-60	2-50	1-75	1-60	1-60	1-50	1-50
SSB-48	—	—	3-60	3-50	2-60	2-50	2-50	2-50	2-50
SSB-60	—	—	4-60	4-50	2-60	2-50	2-50	2-50	2-50
SSB-72	—	—	4-60	4-50	2-75	2-60	2-60	2-50	2-50
SSB-100	—	—	6-60	6-50	3-75	3-60	3-60	3-50	3-50
SSB-135	—	—	8-60	8-50	4-75	4-60	4-60	4-50	4-50
SSB-160	—	—	7-75	7-60	7-50	4-75	4-75	4-60	4-50
SSB-180	—	—	8-75	8-60	8-50	4-75	4-75	4-60	4-50

* For SSB-18, single phase, 208-240V use P/N 99006B, 50 A-4 Pole Contactor

NOTE: 20 KW P/N 99075

VOLTS	208 / 240 / 480 / 600	346 / 380 / 415
AMPS	CONTROL CIRCUIT 120V COIL	240V COIL
50	99003	99001
60	99075	99007
75	102206-1	102206

Example: For SSB-72 240V 3 Phase there are 4 contactors, 50 amps each (Part # is 99003, 120V Coil)

CONTACTOR PART #	DESCRIPTION
103834	PUMP CONTACTOR 120V 1 POLE
103834C	PUMP CONTACTOR 240V 1 POLE
99001	CONTACTOR 50 AMP RATING 230V 50/60 HZ
99003	CONTACTOR 50 AMP RATING 120V 50/60 HZ (208 & 480)
99006B	CONTACTOR 50 AMP RATING 4 POLE 120V 50/60 HZ
99007	CONTACTOR 60 AMP RATING 240V 50/60 HZ
102206-1	CONTACTOR 75 AMP RATING 120V 50/60 HZ
102206	CONTACTOR 75 AMP RATING 240V 50/60 HZ
99075	CONTACTOR 60 AMP RATING 120V 50/60 HZ

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SSB GAUGE GLASS USAGE CHART

MODEL #	VALVE ASSEMBLY	GLASS TUBE	LENGTH
SSB12-SSB18	99603SS	99084-1	6-7/8
SSB24-SSB72	99603SS	99074-1	7-7/8
SSB100-SSB180	99603SS	99080-1	9-7/8
BDT	99603SS	99082-1	10-1/4

NOTE:

1. Gauge glass tube and valve assembly is sold separately
2. Glass tube includes 2 (washer) gaskets P/N 99174CV
3. Glass tube is 5/8 in. diameter Pyrex

PART #	DESCRIPTION
GAUGE GLASS	
99084-1	6" GLASS WITH (2) O-RING GASKETS (SSB-12, SSB-18)
99074-1	7-7/8" GLASS WITH (2) O-RINGS GASKETS (SSB-24 TO SSB-72)
99080-1	9-7/8" GLASS WITH (2) O-RINGS (SSB-85 TO SSB-100)
99081-1	11-3/4" GLASS WITH (2) O-RINGS (ES-100 to ES-180)
99603SS	GAUGE GLASS ASSEMBLY 1/2" x 1-3/4" (SSB Series)
99174CV	GAUGE GLASS VITON O-RING GASKET

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