

# SUSSMAN 'SSB' SERIES PARTS LIST

EFFECTIVE: 7/24/2017

PART #	DESCRIPTION
<b>STEAM SAFETY VALVES</b>	
103157	100 PSIG 1/2" NPT (SSB12 to SSB100)
99137SS	100 PSIG 1" NPT (SSB135 to SSB180)
99297SS	15 PSIG 1/2" NPT (SSB12 to SSB72)
99140SS	15 PSIG 1" NPT (SSB85 to SSB180)
<b>PRESSURE CONTROLS</b>	
103263	SWITCH 18 PSIG SS PRESSURE CONTROL
103264	TRANSDUCER 18 PSIG SS PRESSURE CONTROL
103801	SWITCH 18 PSIG SS PRESSURE CONTROL - MR
103802	TRANSDUCER 18 PSIG SS PRESSURE CONTROL - MR
103215	SWITCH 100 PSIG SS PRESSURE CONTROL
103216	TRANSDUCER 100 PSIG SS PRESSURE CONTROL
103218	SWITCH 100 PSIG SS PRESSURE CONTROL - MR
103219	TRANSDUCER 100 PSIG SS PRESSURE CONTROL - MR
<b>MOTORS &amp; PUMPS</b>	
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)
<b>SOLENOIDS</b>	
99031SS	WATER SOLENOID COMPLETE 1/2" 120V 50/60 HZ
99032SS	WATER SOLENOID COMPLETE 1/2" 240V 50/60 HZ
<b>MISCELLANEOUS VALVES &amp; PRESSURE GAUGES</b>	
99604SS	1/2" Strainer
99167SS	CHECK VALVE - SPRING 1/2" (SSB 12 to SSB 180)
99178	BRASS DRAIN VALVE 1/2" STEAM
99178BSS	SS BALL VALVE 1/2" STEAM
99180SS	BALL VALVE 1/4"
99606SS	BALL VALVE 1" STEAM
99607SS	PRESSURE GAUGE 1-1/2" - 0-160 PSIG

## SSB PARTS LIST

PART #	DESCRIPTION
<b>TERMINAL BLOCK &amp; FUSES</b>	
99207	TERMINAL BLOCK, 3 POLE 150 AMP (SSB12 to SSB18)
99264-6	FUSE - 10 AMP 250V
99209B	FUSE CUT OUT 1 POLE
99314	POWER CIRCUIT FUSE 250V 60 A (SSB72 to SSB180)
99315	FUSE BLOCK for 99314
99316	POWER CIRCUIT FUSE 600V 60 A (SSB72 to SSB180)
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
<b>MISCELLANEOUS</b>	
92827	TOGGLE SWITCH
92829	PILOT LIGHT
92830	BOILER ON/OFF SWITCH W/PILOT LIGHT
99348	AUX LWCO RESET SWITCH
99363	RELAY DPDT - 120V
<b>BOILER GASKET, FLANGE &amp; BOLTS</b>	
99087	BLANK FLANGE 4-1/2 x 4-1/2 (SSB Series)
99096	GASKET
99547B	ELEMENT BOLT (QTY of 1)
99547	ELEMENT 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
<b>AUTOMATIC BLOWDOWN SYSTEM</b>	
103662	TIME CLOCK - 120V, 60 HZ
99353	DELAY TIMER RELAY 130 BOARD
99356SS	MOTOR DRIVEN BALL VALVE - 120V 1" NPT

## SSB PARTS LIST

PART #	DESCRIPTION
<b>PARTS FOR MERCOID AUTOMATIC FLOAT FEED CONTROL &amp; LOW WATER CUTOFF</b>	
99601F	FLOAT
99601G	GASKET FOR MERCOID
99601SS	LOW WATER CUTOFF & AUTOMATIC WATER FEEDER, MERCOID FLOAT ASSEMBLY
<b>SOLID STATE PROBE TYPE LOW WATER CUTOFF &amp; WATER FEED CONTROLS</b>	
90229	SPARK PLUG
90229-1	ELECTRODE
99807B	STAINLESS STEEL PROBE - 9 IN.
90241MRSS	AUXILIARY LWCO BOARD - SSB
103163	PROBE BOOT

## SSB HEATING ELEMENTS

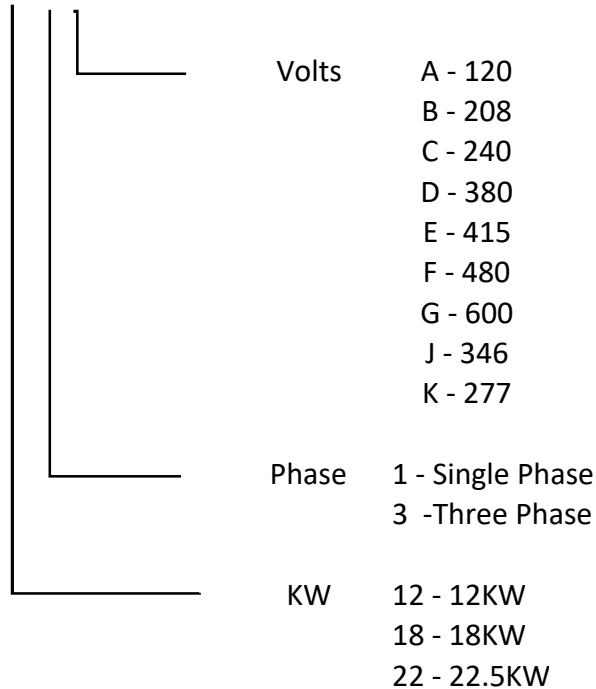
PART #	KW	VOLTAGE/PHASE
39123BSS	12	208/3
39123CSS	12	240/3
39123DSS	12	380/3
39123ESS	12	415/3
39123FSS	12	480/3
39123GSS	12	600/3
39183GSS	18	600/3
39183BSS	18	208/3
39183CSS	18	240/3
39183DSS	18	380/3
39183ESS	18	415/3
39183FSS	18	480/3
39183GSS	18	600/3
39223CSS	22.5	240/3
39223DSS	22.5	380/3
39223FSS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

Elements shipped with gasket, bolts and sealing compound.

## SSB ELEMENT SELECTION CHART

BOILER 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-84	84	1	12	4	18
SSB-100	108			6	18
SSB-135	144			8	18
SSB-160	157.5			7	22.5
SSB-180	180			8	22.5

ELEMENT PART NO. 39 X X X



Example: 39183B - 18kW, 3 Phase, 208 Volts

## SSB CONTACTOR SELECTION CHARTS

QUANTITY AND AMPS									
	VOLTS/PHASE								
BOILER	208/1	240/1	208/3	240/3	346/3	380/3	415/3	480/3	600/3
SSB12	1-75	1-60	1-50	1-50	1-50	1-50	1-50	1-50	1-50
SSB18	*	*	1-60	1-50	1-50	1-50	1-50	1-50	1-50
SSB24	2-75	2-60	2-50	2-50	1-50	1-50	1-50	1-50	1-50
SSB30	--	--	2-60	2-50	1-60	1-50	1-50	1-50	1-50
SSB36	--	--	2-60	2-50	1-75	1-60	1-60	1-50	1-50
SSB48	--	--	3-60	3-50	2-60	2-50	2-50	2-50	2-50
SSB60	--	--	4-60	4-50	2-60	2-50	2-50	2-50	2-50
SSB72	--	--	4-60	4-50	2-75	2-60	2-60	2-50	2-50
SSB84	--	--	1-50, 4-60	5-50	Factory	3-60	Factory	3-50	3-50
SSB100	--	--	6-60	6-50	3-75	3-60	3-60	3-50	3-50
SSB135	--	--	8-60	8-50	4-75	4-60	4-60	4-50	4-50
SSB160	--	--	7-75	7-60	7-50	4-75	4-75	4-60	4-50
SSB180	--	--	8-75	8-60	8-50	4-75	4-75	4-60	4-50

\* For SSB18, single phase, 208V and 240V use P/N 99006B, 50 A-4 Pole Contactor

### CONTACTOR PART NUMBER SELECTION:

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

Example: For SSB72 240V 3 phase, there are 4 contactors, 50 amps each (Part Number 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 AND 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

## SSB GAUGE GLASS USAGE CHART

MODEL #	VALVE ASSEMBLY	GLASS TUBE	LENGTH
SSB12-SSB18	99603SS	99084-1	6"
SSB24-SSB72	99603SS	99074-1	7-7/8"
SSB84-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
<b>GAUGE GLASS</b>	
99084-1	6" GLASS WITH (2) O-RING GASKETS (SSB-12, SSB-18)
99074-1SS	7-7/8" GLASS WITH (2) O-RINGS GASKETS (SSB-24 TO SSB-72)
99080-1SS	9-7/8" GLASS WITH (2) O-RINGS (SSB-84 TO SSB-100)
99603SS	GAUGE GLASS ASSEMBLY 1/2" x 1-3/4" (SSB Series)
99174CV	GAUGE GLASS VITON O-RING GASKET
99082-1	10-1/4" Pyrex GLASS WITH (2) O-RINGS FOR BDT