

SUSSMAN 'SSB' SERIES PARTS
EFFECTIVE: February 1, 2022

PART #	DESCRIPTION
STEAM SAFETY VALVES	
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)
PRESSURE CONTROLS	
103263	SWITCH 15 PSIG SS OPERATING PRESSURE CONTROL
103264	TRANSDUCER 15 PSIG SS OPERATING PRESSURE CONTROL
103801	SWITCH 15 PSIG SS HIGH LIMIT PRESSURE CONTROL - MANUAL RESET
103802	TRANSDUCER 15 PSIG SS HIGH LIMIT PRESSURE CONTROL - MANUAL RESET
103215	SWITCH 100 PSIG SS OPERATING PRESSURE CONTROL
103216	TRANSDUCER 100 PSIG SS OPERATING PRESSURE CONTROL
103218	SWITCH 100 PSIG SS HIGH LIMIT PRESSURE CONTROL - MANUAL RESET
103219	TRANSDUCER 100 PSIG SS HIGH LIMIT PRESSURE CONTROL - MANUAL RESET
MOTORS & PUMPS	
99160SS	PUMP & MOTOR 1/3 HP 120V or 230V 60 HZ (SSB12 to SSB72) for SSB38002A
99157SS	PUMP & MOTOR 1/2 HP, 120V or 230V 60 HZ (SSB100 to SSB180) for SSB38020A
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
99167SS	CHECK VALVE - SPRING 1/2" (SSB 12 to SSB 180)
99178BSS	SS BALL VALVE 1/2" STEAM
99180SS	PRESSUE GAUGE BALL VALVE 1/4"
99606SS	BALL VALVE 1" STEAM
99607SS	PRESSURE GAUGE 1-1/2" DIA. - 0-160 PSIG
99290SS	PRESSURE GAUGE 1-1/2" DIA. - 0-30 PSIG

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SSB PARTS IST

PART #	DESCRIPTION
TERMINAL BLOCK & FUSES	
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, 208/3 & 240/3)
99315	FUSE BLOCK for 99314
99316	POWER CIRCUIT FUSE 600V 60 A (SSB72 to SSB180, 480/3 & 600/3)
99317	FUSE BLOCK for 99316
99539	POWER CIRCUIT FUSE 600V 60 A Class "J"
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
99348	AUX LWCO RESET SWITCH
99363	RELAY DPDT - 120V
BOILER GASKET, FLANGE & BOLTS	
99087	BLANK FLANGE 4-1/2 x 4-1/2 (SSB Series)
99096B	GASKET (BLACK - NO SLIC-TITE USED)
99547Z	3/4 IN. ELEMENT BOLT (QTY of 1)
99547	3/4 IN. ELEMENT BOLT (QTY of 6)
99524-6T	18" #6 WIRE WITH TERMINAL END
99524	#6 WIRE (per ft.)
97116	RING TERMINAL
103540	BOILER GASKET KIT (INCLUDES 99096B GASKET & 99547 BOLTS (6))
AUTOMATIC BLOWDOWN SYSTEM	
103662	TIME CLOCK - 120V, 60 HZ
99353	DELAY TIMER RELAY 130 BOARD
103661	MOTOR DRIVEN BALL VALVE - 120V 1" NPT

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SSB PARTS LIST

PART #	DESCRIPTION
PARTS FOR MERCOID AUTOMATIC FLOAT FEED CONTROL & LOW WATER CUTOFF	
99601F	FLOAT
99601G	GASKET FOR MERCOID
99601SS	LOW WATER CUTOFF & AUTOMATIC WATER FEEDER, MERCOID FLOAT ASSEMBLY
SOLID STATE PROBE TYPE LOW WATER CUTOFF & WATER FEED CONTROLS	
90229	SPARK PLUG
90229-1	AUXILIARY LOW WATER CUT OFF PROBE
99807B	STAINLESS STEEL PROBE - 9 IN.
90241MRSS	AUXILIARY LOW WATER CUT OFF BOARD - SSB 120/1
90242MRSS	AUXILIARY LOW WATER CUT OFF BOARD - SSB 240/1 Export
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

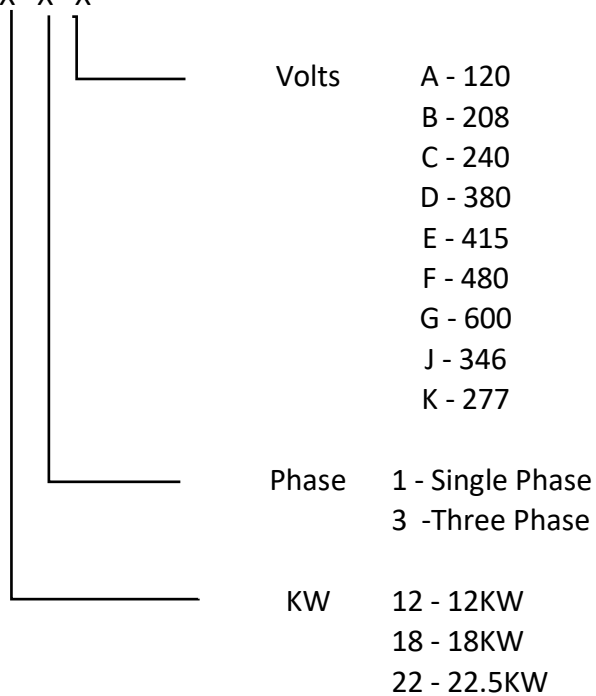
Elements shipped with gasket and bolts.

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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-85	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

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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
SSB85	--	--	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 CIRC: 120V COIL	CONTROL CIRC: 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 NUMBER	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

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SSB GAUGE GLASS USAGE CHART

MODEL #	VALVE ASSEMBLY	GLASS TUBE	LENGTH
SSB12-SSB18	99603SS	99084-1	6"
SSB24-SSB72	99603SS	99080-1SS	8"
SSB84-SSB180	99603SS	99081-1SS	10"
BDT	99173C	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) SLEEVE GASKETS (SSB-12, SSB-18)
99080-1SS	8" GLASS WITH (2) SLEEVE GASKETS (SSB-24 TO SSB-72)
99081-1SS	10" GLASS WITH (2) SLEEVE GASKETS (SSB-84 TO SSB-100)
99603SS	GAUGE GLASS ASSEMBLY 1/2" x 1-3/4" (SSB Series)
99174CV	GAUGE GLASS VITON SLEEVE GASKET
99082-1	10-1/4" Pyrex GLASS WITH (2) SLEEVE FOR BDT

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