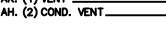
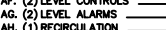
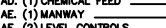
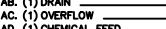
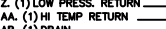
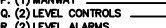
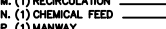
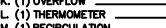
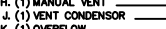
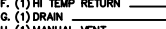
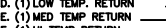
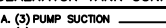
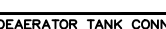
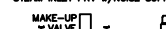


ITEMS TO SHIP LOOSE

STEAM SUPPLY TO DA STEAM INLET CONNECTION



STEAM INLET PRV w/ NOISE SUPPRESSION



FIELD CONNECT
STEAM SECTION PRESSURE GAUGE
WATER IN-LET PRESSURE GAUGE
FIELD PLUMB
WATER IN-LET PRESSURE GAUGE
(COMPONENTS NOT SUPPLIED)

STEAM INLET PRV w/ NOISE SUPPRESSION

MAKE-UP VALVE

3-VALVE BY-PASS w/ STRAINER

RELIEF VALVE

PUMP PRES. GAGE DISCHARGE

OVERFLOW TRAP

1" INSULATION w/ STEEL JACKET

RECIRCULATION PIPING

SUCTION PIPING

FEED PUMPS

HIGH/LOW LEVEL ALARMS

HIGH/LOW LEVEL ALARMS

HIGH/LOW LEVEL ALARMS

HIGH/LOW LEVEL ALARMS

HIGH/LOW LEVEL ALARMS

HIGH/LOW LEVEL ALARMS

HIGH/LOW LEVEL ALARMS

HIGH/LOW LEVEL ALARMS

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HIGH/LOW LEVEL ALARMS

HIGH/LOW LEVEL ALARMS

HIGH/LOW LEVEL ALARMS

HIGH/LOW LEVEL ALARMS

HIGH/LOW LEVEL ALARMS

DEAERATOR TANK CONNECTIONS

- A. (3) PUMP SUCTION 4 FLG. IN.
- B. (1) WATER INLET 3 FLG. IN.
- C. (1) STEAM INLET 8 FLG. IN.
- D. (1) LOW TEMP. RETURN 3 FLG. IN.
- E. (1) MED TEMP RETURN 2 IN.
- F. (1) HI TEMP RETURN 1 1/2 IN.
- G. (1) DRAIN 2 1/2 IN.
- H. (1) MANUAL VENT 1 1/2 IN.
- J. (1) VENT CONDENSER 12 FLG. IN.
- K. (1) OVERFLOW 3 IN.
- L. (1) THERMOMETER 1 IN.
- M. (1) RECIRCULATION 2 1/2 IN.
- N. (1) CHEMICAL FEED 1 IN.
- P. (1) MANWAY 12 X 16 IN.
- Q. (2) LEVEL CONTROLS 1 IN.
- R. (2) LEVEL ALARMS 1 IN.
- S. (1) RELIEF VALVE 3" 300# FLG. IN.
- T. (1) VACUUM BREAKER 2 1/2 IN.

CONNECTIONS NPT UNLESS NOTED, FLANGES 150# UNLESS NOTED

SURGE TANK CONNECTIONS

- X. (2) PUMP SUCTION 4 FLG. IN.
- Y. (1) WATER INLET 2 IN.
- Z. (1) LOW PRESS. RETURN 3 IN.
- AA. (1) HI TEMP RETURN 3 IN.
- AB. (1) DRAIN 2 IN.
- AC. (1) OVERFLOW 3 FLG. IN.
- AD. (1) CHEMICAL FEED 1 IN.
- AE. (1) MANWAY 12 X 16 IN.
- AF. (2) LEVEL CONTROLS 1 IN.
- AG. (2) LEVEL ALARMS 1 IN.
- AH. (1) RECIRCULATION 2 1/2 IN.
- AJ. (1) THERMOMETER 1 IN.
- AK. (1) VENT 3 IN.
- AH. (2) COND. VENT 1 IN.


CONNECTIONS NPT UNLESS NOTED, FLANGES 150# UNLESS NOTED

* STAND HEIGHT SUBJECT TO PUMP NPSH REQUIREMENTS
ALL COMPONENTS CONTINGENT UPON FINAL ENGINEERING
PANEL SIZE MAY VARY DEPENDING ON JOB REQUIREMENTS

RATING & CAPACITIES	
DA TYPE	SPRAY
CAPACITY	60,000 LBS./HR.
DA SECTION CAPACITY	1,230 GALS.
DA STORAGE CAPACITY	10 MINUTES MIN.
DESIGN PRESSURE	50 PSIG STEAM
DESIGN TEMP.	400° F
DEAERATION	.008 CC/LITER
OPERATING PRESSURE	5 PSIG
SURGE SECTION CAPACITY	1200 GALS.
SURGE STORAGE CAPACITY	10 MINUTES
DRY WEIGHT.	7 LBS.
OPERATING WEIGHT.	7 LBS.
FLOODED WEIGHT.	7 LBS.
THE ABOVE WEIGHTS DO NOT INCLUDE PUMPS, TRIM OR CONTROL PANEL.	
SHIPPING WEIGHT	
TANK (EMPTY)	7.777 LBS.
STAND/PUMPS	7.777 LBS.

LTR.	DATE	REVISIONS	BY
A	12-26-13	DESCRIPTION	

NOTES
1. ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
2. SPECIFICATION SHEET TAKES PRIORITY OVER DRAWING.
3. ALL DIMENSIONS ARE ±1" UNLESS OTHERWISE NOTED.
4. DA TANK DESIGN CODE ASME SECTION VIII DIV 1
5. SEPARATE ALL LOADS FROM 300 TO 1000 OF RATED OUTLET CAPACITY
6. ELIMINATE TITRABLE FREE CARBON DIOXIDE TO 0.
7. CORROSION ALLOWANCE 1/16".
8. SUPERIOR BOILER WORKS, INC. RESERVES THE RIGHT TO FURNISH TRIM SHOWN OR AN EQUAL SUBSTITUTE AS DETERMINED BY SBW.

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SOLD TO:			
SBW			
JOB:			
SBW			
DRAWN BY:	DATE	CHECKED BY:	DATE
D. RIDDER	6-27-14		
DRAWING NAME			
DEAERATOR, SPRAY			
MODEL NO: SSD060			
SIZE: 1,230 GALLONS			
	SCALE		DRAWING No
	1/48		
SUPERIOR BOILER WORKS, INC. HUTCHINSON, KANSAS			15070XXX