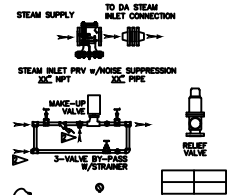
PRELIMINARY
NOT FOR CONSTRUCTION

FIELD CONNECT
STEAM SUPPLY PRESSURE GAUGE
WATER IN-LET PRESSURE GAUGE
FIELD PLUMB
WATER IN-INLET PRESSURE GAUGE
(COMPONENTS NOT SUPPLIED)
REFER F 3 VALVE BYPASS DETAIL

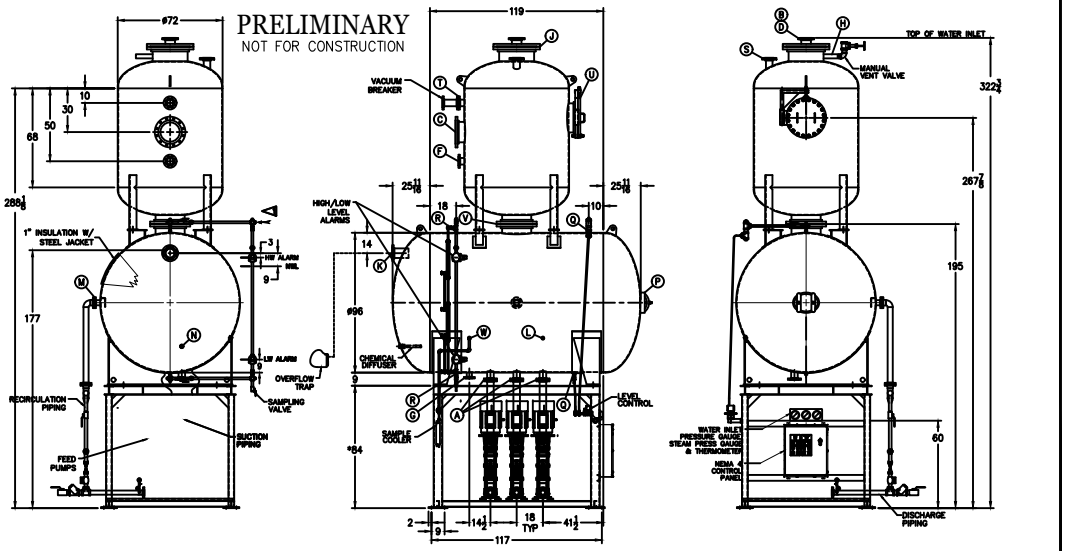
ITEMS TO SHIP LOOSE



(D) LOW TEMP. RETURN (<180 °F)

(F) HIGH TEMP. RETURN (>180 °F)

* STAND HEIGHT SUBJECT TO PUMP NPSH REQUIREMENTS
ALL COMPONENTS CONTINGENT UPON FINAL ENGINEERING.
PANEL SIZE MAY VARY DEPENDING ON JOB REQUIREMENTS
TRAYS TO BE SHIPPED LOOSE AND INSTALLED IN THE FIELD.



DEAERATOR TANK CONNECTIONS	
A. (3) PUMP SUCTION	4 FLG IN.
B. (1) WATER INLET	6 FLG IN.
C. (1) STEAM INLET	14 FLG IN.
D. (1) LOW TEMP. RETURN	6 FLG IN.
E. ( ) MED TEMP RETURN	IN.
F. (1) HI TEMP RETURN	4 FLG IN.
G. (1) DRAIN	3 FLG IN.
H. (1) MANUAL VENT	2 1/2 IN.
J. (1) VENT CONDENSOR	24 FLG IN.
K. (1) OVERFLOW	6 FLG IN.
L. (1) THERMOMETER	1 IN.
M. (1) RECIRCULATION	3 FLG 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	4" 300# IN.
T. (1) VACUUM BREAKER	4 FLG IN.
U. (1) TRAY BOX ACCESS	20 FLG IN.
V. (1) DOWNCOMER	20 FLG IN.
W. (1) SAMPLE COOLER	1 IN.

CONNECTIONS NPT UNLESS NOTED, FLANGES 150# UNLESS NOTED

RATING & CAPACITIES	
DA TYPE	TRAY
CAPACITY	200,000 LBS/HR
DA SECTION CAPACITY	4,000 GALS.
DA STORAGE CAPACITY	10 MINUTES MIN.
DESIGN PRESSURE	50 PSIG STEAM
DESIGN TEMP.	400° F
DEAERATION	.005 CC/LITER
OPERATING PRESSURE	5 PSIG
DRY WEIGHT.	15,370 LBS
OPERATING WEIGHT.	47,690 LBS
FLOODED WEIGHT.	50,300 LBS

THE ABOVE WEIGHTS DO NOT INCLUDE PUMPS, TRIM OR CONTROL PANEL.

SHIPPING WEIGHT

TANK (EMPTY) HORIZ 7,400 / VERT 5,800 LBS.
STAND/PUMPS 2,170 / LBS.

LTR.	DATE	REVISIONS	BY
A		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. DEAERATE ALL LOADS FROM 30TO 100% OF RATED OUTLET CAPACITY
6. ELIMINATE TITRATABLE FREE CARBON DIOXIDE TO 0.
7. CORROSION ALLOWANCE 1/16"
8. TANK SEPARATED FROM STAND FOR SHIPMENT.
9. SUPERIOR BOILER, INC. RESERVES THE RIGHT TO FURNISH TRIM SHOWN OR AN EQUAL SUBSTITUTE AS DETERMINED BY SB.

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SOLD TO:	XXX
JOB:	XXX

DRAWN BY:	DATE	CHECKED BY:	DATE
XX			

DRAWING NAME
DEAERATOR, TRAY

MODEL NO: TC200T155-125
SIZE: 4,000 GALLONS

SUPERIOR BOILER

SCALE	DRAWING No
1/56	X