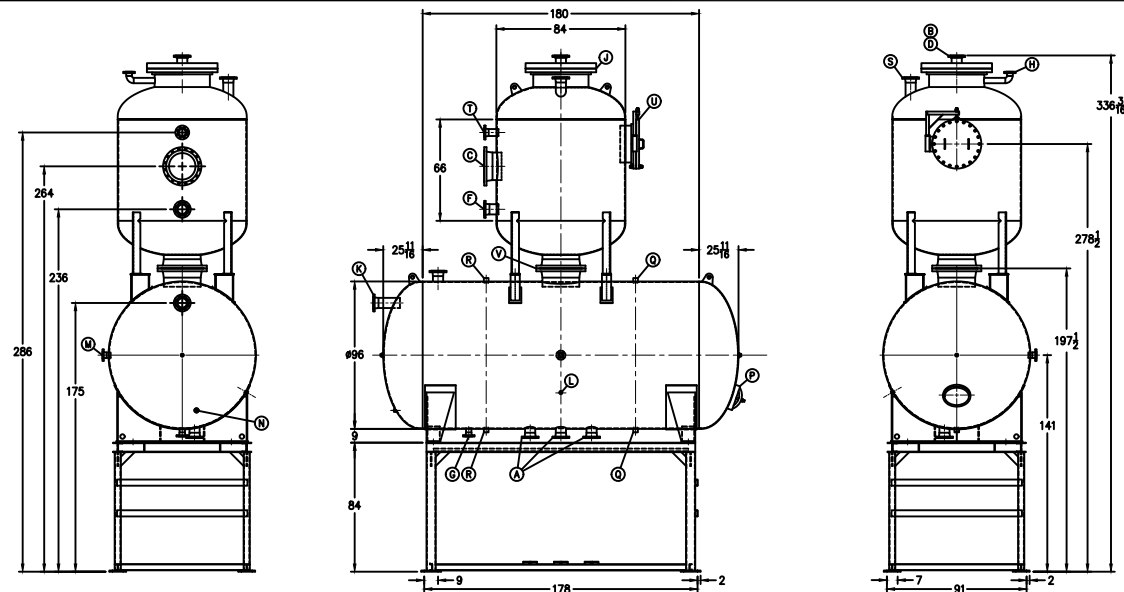


PRELIMINARY
NOT FOR CONSTRUCTION



- D LOW TEMP. RETURN
(<180 F)
 F HIGH TEMP. RETURN
(>227 F)

* STAND HEIGHT SUBJECT TO PUMP HPISH REQUIREMENTS
ALL COMPONENTS CONTINGENT UPON FINAL ENGINEERING.

DEAERATOR TANK CONNECTIONS (NPT UNLESS NOTED)

A. (3) PUMP SUCTION	6 FLG. IN.
B. (1) WATER INLET	6 FLG. IN.
C. (1) STEAM INLET	18 FLG. IN.
D. (1) LOW TEMP. RETURN	6 FLG. IN.
E. () MED TEMP. RETURN	IN.
F. (1) HI TEMP. RETURN	6 FLG. IN.
G. (1) DRAIN	3 FLG. IN.
H. (1) MANUAL VENT	3 FLG. IN.
J. (1) VENT CONDENSOR	36 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	2 IN.
R. (2) LEVEL ALARMS	2 IN.
S. (1) RELIEF VALVE	4 FLG. IN.
T. (1) VACUUM BREAKER	4 IN.
U. (1) TRAY BOX ACCESS	24 FLG. IN.
V. (1) DOWNCOMER	24 FLG. IN.

RATING & CAPACITIES	
DA TYPE	TRAY
CAPACITY	300,000 LBS./HR.
DA SECTION CAPACITY	8,000 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	21,800 LBS.
OPERATING WEIGHT	67,000 LBS.
FLOODED WEIGHT	77,000 LBS.
THE ABOVE WEIGHTS DO NOT INCLUDE PUMPS, TRIM OR CONTROL PANEL.	
SHIPPING WEIGHT	
TANK (EMPTY)	19,300 LBS.
STAND/PUMPS	2,500/ LBS.

LTR.	DATE	REVISIONS	BY
A		DESCRIPTION	

NOTES

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

THIS DRAWING IS THE PROPERTY OF SUPERIOR BOILER WORKS AND SHALL NOT BE REPRODUCED IN PART OR IN WHOLE, AND NONE OF ITS INFORMATION SHALL BE REVEALED WITHOUT PERMISSION OR TO THE DETRIMENT OF THE OWNER, IT MUST BE RETURNED UPON REQUEST.

SOLD TO:

JOB:

DRAWN BY: D. RIDDER DATE: 4-15-2014 CHECKED BY: DATE:

DRAWING NAME

DEAERATOR, SPRAY

MODEL NO: TC300T155-125

SIZE: 6,000 GALLONS

SUPERIOR
BOILER

SCALE
1/56

DRAWING NO