

VESSEL SPECIFICATIONS			
REFERENCE	1	PLANT: WILMINGTON N.C.	EQUIP. NAME: ESTER STILL VACUUM RECEIVER
	2	AREA: No.	EQUIP. NO. T-400-9 & T-2400-9
	3	BLDG. DISTILLATION No.	NO. UNITS: ONE OF EACH
	4	ORDER: VENDOR:	B.P.P. No.
PROCESS & GENERAL INFO	5	MAT'L. IN VESSEL METOL VAPOR WATER WT. 8.34 LB/GAL.	
	6	CAPACITY OPERATING: GALS. DESIGN 750 GALS. TOTAL VOL. 810 GALS.	
	7	AGITATION: NONE	
	8	USE: RECEIVER	HORIZONTAL: YES VERTICAL: NO
	9	HEATED: YES COOLED: NO JACKET: NO COIL: YES OTHER: NONE	
	10	PRESSURE & TEMP. SHELL:	COIL:
	11	DESIGN: FULL VACUUM PSIG AT: 35 °F	150 PSIG AT: 365 °F
	12	OPERATING: PSIG AT:	PSIG AT:
	13	TEST-HYDROSTATIC: 50 PSIG HOLD 2 HOURS	225 PSIG HOLD 2 HOURS
	14	CORROSION ALLOWANCE: NONE	
	15	CONSTRUCTION CODE: 1475 WS	STAMPING NAT. BOARD No. 47848
	16	INSPECTION HERCULES: YES NATIONAL BOARD: YES OTHER: VENDOR	
	17	X-RAY INSPECTION: SPOT FILM INSPECTION: HERCULES YES NATIONAL BOARD: YES	
	18	THERMAL TREATMENT: NONE	
	19	PASSIVATION: INSIDE NONE OUTSIDE NONE	
SHELL	20	CLEANING: 1475 WS PAINTING: 1475 WS	
	21	WEIGHTS EMPTY: 3,000 LBS. FILLED W/ WATER: 9,750 LBS. EXTERNAL LOADING: 300 LBS. (INSUR.)	
	22	FILLED W/ CONTENTS: LBS. TOTAL MAX. LOAD: 10,000 LBS.	
	23	MATERIAL: ST. STL. ASME SA 240 - TYPE 304	
HEAD	24	DIAMETER: 48" O.D. THICKNESS: 5/16" NOM. LENGTH STRAIGHT SHELL: 8'-0"	
	25	SEAMS WELDED: HELIARC JOINT TYPE: DOUBLE BUTT EFFICIENCY: 85%	
	26	MATERIAL: SS. ASME SA 240 - TYPE 304	SAME
	27	TYPE: ASME F & D	SAME
NOZZLES	28	WELDED: HELIARC	SAME
	29	THICKNESS: 5/16" NOM.	SAME
	30	MATERIAL: SS. ASME SA 240 TYPE 304 THICKNESS: SCH 40S	
	31	TYPE: L.J. STUB ENDS OR PIPE WITH: 150# F.S. LAP JOINT AMER. STD. FLGS.	
GASKETS	32	MANHOLE: NO	
	33	FOR TEST: JM #60 1/16 THK.	
	34	FOR COMPLETED CONNS. SUPPLY NEW FLEXITALLIC STYLE "D"	
	35	MATERIAL: NONE DIA. THICKNESS:	THICKNESS:
JACKETS	36	TYPE HEAD:	THICKNESS:
	37	MATERIAL: CARB. STL. ASME SA 533 GRB PIPE DIA: 3/4"	THICKNESS: SCH 40
	38	TYPE: SEE DETAILS LIN. FT. 80 SQ. FT. SURFACE 22	
	39	LUGS: 4 LEGS: NO SHIRT: NO SADDLES: NO OTHER: NONE	
BOLTING	40	BOLTS OR BOLT STUDS: NONE	1475-WS
	41	MATERIAL:	
	42	NUTS: TYPE & MAT'L.	
	43	INSULATION: CALCIUM SILICATE THICKNESS: 2"	
MISC.	44	GASKET SURFACES TO HAVE COMMERCIAL PHOTOGRAPHIC SEERATED FINISH	
	45		

NOZZLE DATA			
NOZZLE	SIZE	USE	DWG. NO.
* A	24"	VAPOR OUTLET	1412-WS
* B	24"	INLET	1412-WS
C	1"	THERMOWELL	DET. "X"
D	8"	HAND HOLE	DET. "Z"
E	3"	VENT	DET. "X"
F	4"	INLET	DET. "X"
G	6"	OUTLET	DET. "X"
H	3/4"	STM. INLET	DET. "V"
J	3/4"	STM. INLET	DET. "V"
K	3/4"	CONDENSATE	DET. "Y"
L	8"	SS. LINED BLDG. FLG. 5ES 4 FIG. 1/A	

* USE 5/16" WALL THICKNESS

WITH DURIRON TANKLINE GASKET BY B.M.P.

