



GENERAL NOTES

- BOLT HOLES TO STRADDLE CENTERLINES UNLESS OTHERWISE NOTED.
- VESSEL SHALL BE CLEANED AND DRAINED BEFORE SHIPPING.
- RETAG ALL CPLGS AND COVER ALL OPENINGS BEFORE SHIPPING.

NATIONAL BOARD SERIAL NO. _____
 CERTIFIED BY: OPTIMIZED PROCESS DESIGNS, INC. KATY, TEXAS

U
W
RT-1

SERIAL NO. 8850-3 DATE: 1988
 MAWP: 1121 PSIG AT 150 °F
 MDMT: -20 °F AT 1121 PSIG
 TEST PRESS: 1682 PSIG CORR. ALLOW: NONE
 INSPECTED BY: LMC
 SHELL THK: 7375" HEAD THK: 1.000"
 VESSEL SIZE: 30" OD x 12'-0" S/S
 DESCRIPTION: GLYCOL SEPARATOR
 ITEM V-2

DESIGN NOTES

VESSEL CONSTRUCTED IN ACCORDANCE WITH ASME SECT VIII DIV 1
 '87 ADDENDA

STAMP REQUIRED: YES SYMBOL: LJ

INSPECTION BY: L.M.C.

NATIONAL BOARD NO. _____ MFG S/N: 8850-3

MAX ALLOWABLE WORKING PRESSURE LIMITED BY SHELL OF 1121 PSIG @ 150 °F

MIN. DESIGN METAL TEMPERATURE: -20 °F @ 1121 PSIG

HYDROTEST PRESSURE: 1682 PSIG CORROSION ALLOWANCE: NONE

JOINT EFF.: SHELL 100% % HEADS 100% %

RADIOGRAPH/OTHER NDE: FULL

POSTWELD HEAT TREATMENT: NONE

ESTIMATED WEIGHTS: EMPTY 5613 LBS FULL (WATER) 9245 LBS

PAINT: ONE SHOP COAT OF PRIMER

WPS NO. 103, 105

MATERIAL LIST

ITEM	SERVICE	DESCRIPTION	MTL	UNIT QTY.	HEAT NO.	TOTAL QTY.
30	C7A & B	1/2" 3000# THRD. CPLG.	SA-105	2		2
29	BAFFLE	1/2" x 4" x 10"	SA-30	1		1
28	SUPPORT	1/2" x 7" x 2'-7"	SA-30	2		2
27	+	1/2" x 49 3/8" x 8'-0" CUTS 6 PCS.	SA-30	1		1
26	C3 (INT. PIPE)	1" SCH. 80 PIPE x 1'-6"	SA-106 B	1	882111	1
25	N2 NECK	3" SCH. 80 PIPE x 9 1/2"	SA-106 B	1	N75462	1
24	MIST PAD	6" THK. x 9 LBS./FT ² T-916 SS MESH W/C 5. GRIDS 2 SIDES		1	CUT PER SKETCH	1
23	N1 & N3	6" SCH. 80 LR 90° WELD ELL	SA-234 WPB	2	4CP	2
21	MIST PAD SUPP.	1/4" x 3" x 5 1/2" LG.	SA-36	2		2
20	MIST PAD SUPP.	1/4" x 27 15/16" OD x 24 15/16" ID	SA-36	2		2
19	+	1/2" x 1 1/2" x 1 1/2" x 1'-9"	SA-36	2		2
18	+	EXPANDED METAL, 7 1/2" x 1 1/4" LG.	C-9	1		1
17	N2 PAD	1" x 7" DIA.	SA-516-70	1	M66703	1
16	N2 FLG	3" 600# RF WFLG (SCH 80 BORE)	SA-105	1	KK N-87	1
15	C1, C2	1/2" 6000# THRD CPLG. x 4" LG.	SA-105	2		2
14	C8 & C3	1/2" 6000# THRD CPLG. x 4" LG.	SA-105	2		2
13	CSA & B	3/4" 6000# THRD CPLG. x 4" LG. (TDE)	SA-105	2		2
12	C6, C9A & B	3/4" 6000# THRD CPLG. x 4" LG.	SA-105	3		3
11	C4A & B	1/2" 3000# THRD CPLG. x 4" LG.	SA-105	2		2
10	C10A & B	1" 6000# THRD. CPLG. x 4" LG. (TDE)	SA-105	2		2
9	N1 & N3	6" SCH 80 PIPE x 2'-0" LG. (CUTS 2 PIECES)	SA-516-70	1		1
8	N1 & N3 PAD	1" x 11 1/4" DIA.	SA-516-70	1	M66703	1
7	N1 & N3 FLGS	6" 600# RF WFLG (SCH 80 BORE)	SA-105	2	4AT-88	2
6	SUMP HD.	12" SCH 60 WELD CAP	SA-234 WPB	1	4X W/G	1
5	NECK PAD	12" SCH 60 PIPE x 2'-9 1/2"	SA-106 B	1	N07196	1
4	+	1 1/8" x 23" DIA	SA-516-70	1	7481769	1
3	SHELL	1 1/2" (MIN.) x 48" x 31 1/16"	SA-516-70	1	7481769	1
2	+	1 1/2" (MIN.) x 26" x 31 1/16"	SA-516-70	1	7481769	1
1	HEAD	30" OD x 1 1/2" MIN. (1" NOM) 2 TO 1 ELLIP. 72" SF (NORM)	SA-516-70	2	813B64800	2

SCHEDULE OF OPENINGS

ITEM	NO. REQ'D.	SIZE	RATING	FLANGE	NECK	COVER	BOOTS	GASKET	PAD	SOLE	IS. PROJ. (MIN) AT t	O.S. PROJ. AT t	ATTACHMENT	SERVICE		
C10 A&B	ONE	1"	6000# NPT								10	SEE DTL.		LSH		
C3	ONE	1"	6000# NPT								14	3/8" 1 1/2"	G 3/8" 3/8"	DRAIN OUTLET (SEE DTL)		
SUMP	ONE	12"	SCH 60								5	6	4	0 SEE ELEV.	F - 3/8" 7/16"	BOOT
C9 A&B	ONE	3/4"	6000# NPT								12	0 1 1/2"	H - 3/8"	LG.		
C8	ONE	1"	6000# NPT								14	SEE DTL 1 1/2"	G 3/8" 3/8"	METH. INJECT.		
C7 A&B	ONE	1 1/2"	3000# NPT								30	0 2 1/2"	H - 3/8"	LC		
C6	ONE	3/4"	6000# NPT								12	0 1 1/4"	H - 3/8"	TI		
C5 A&B	ONE	3/4"	6000# NPT								13	SEE DTL	SEE DTL.	LG		
C4 A&B	ONE	1 1/2"	3000# NPT								11	SEE DTL	SEE DTL.	LC		
C2	ONE	1/2"	6000# NPT								15	1/4" 5/8"	G 1/4" 3/8"	METH. INJECT.		
C1	ONE	1/2"	6000# NPT								15	0 1 5/16"	H - 3/8"	PI		
N3	ONE	6"	600# RF	7	9						9	1 1/2" 8"	D ⁵ K 3/8" 3/8" 7/16"	OUTLET		
N2	ONE	3"	600# RF	16	25						17	SEE DTL	B - D ⁵ K 3/8" 3/8" 7/16"	OUTLET		
N1	ONE	6"	600# RF	7	9						8	SEE DTL	B - D ⁵ K 3/8" 3/8" 7/16"	INLET		