

## EQUIPMENT DATA SHEET

ITEM NO.: S-5211

SERVICE: Heading Column Decanter

JOB NO. : K-3864

DESCRIPTION : 150,000 MTA KVAM PROJECT

CLIENT : ASIAN ACETYLS CO., LTD.

FOR CONSTRUCTION

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Φ		
Φ		
REV.NO.	APPROVED BY	DATE
CLI	ENT APPRO	

						•
2	95, 6, 9	KK. Kmo	4.01/-11	1646110	K.B.di	FOR CONSTRUCTION
L	95. 2. 23	K.Kim	H. d. /c/4			FOR APPROVAL
0	93.9.18	N.K.Kino	H.ch/~	mell	mw/m	PLANT SPECIFICATION
REV	EV DATE MADE		CHECKED	APPROVED	PM	DESCRIPTION

ITEM	REV.	NO.	PAGE	CONTENTS
S-5211	2	1	2	INSULATION THICKNESS DECIDED
	2	2	3	SHELL THICKNESS TO BE "7T"
	2	3	3	H4, H3 NOZZLE LOCATION CHANGED
	2	4	3	BOOT LOCATION FROM T. L CHANGED TO 1500MM
	3	1	2	CHANGED PRESS DROP (0.5 KG/CM2 > 0.1 KG/CM2
				ž .
				* ×
	75			



JOB NO. : K-3751 3864 SHEET 1 OF 3 DESCRIPTION: 150,000 MTA KVAM PROJECT CLIENT C SAMSUNG BP CHEMICALS CO. LTD. ASACCO

TTEM NO. : S-5211
SERVICE : HEADING COLUMN DECANTER REQ'N NO .: 3300 DESIGN CODE AND STANDARD : ASME SECT, VIII, DIV, 1

APPLICABLE SPEC. SC/TS/20/003, 005,006

VESSEL

: TYPE OF HEAD 2 : 1 ELLIP.

**RADIOGRAPH** ( ) FULL (X) SPOT : ( ) YES P.W.H.T (X) NO FIRE PROOF ( ) YES [X] NO :

MATERIAL

SHELL / HEAD A285-C

> A106-B / A285-C NOZZLE NECK

NOZZLE FLANGE : A105 SKIRT/SADDLE/LUG A285-C

**GASKET** 9.W.G (05) V# 1501 OR EQ.

EXT. BOLT/NUT A193-B7 / A194-2H

LOCAL REGULATION

QUALITY LEVEL

SURFACE FINISH : REFER TO SC/TS/60/001

FLANGE RATING ANSI 150# WN RF

## REMARK

THE MAXIMUM CARBON CONTENT OF CARBON STEEL AND CARBON MANGANESE STEEL SHOULD BE AS FOLLOWS:

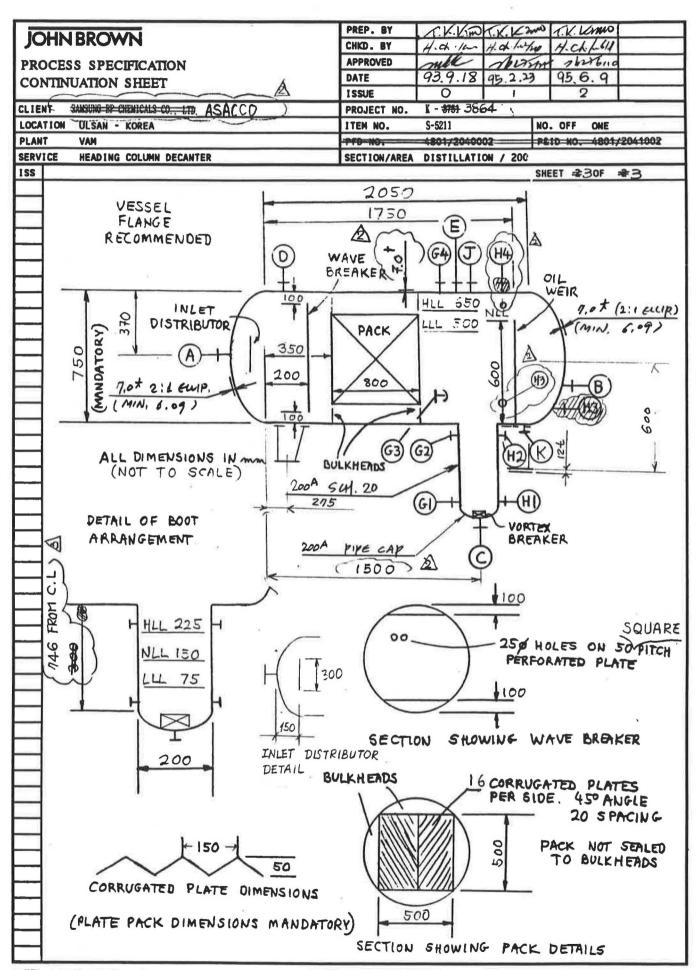
FOR ALL PRODUCT FORMS OTHER THAN FORGED FITTINGS 0.23% FOR FORGED WELDED FITTINGS 0.25%

							_
2	95.6.9	(K.Kmo	H.d. 1-610	2646110		FOR CONSTRUCTION	
	95, 2, 23	CK Vimo	H. ch./ayse	marial	LB. Q.S	FOR APPROVAL	
0	93. 9. 18	1.K.K:00	H. ch./.	mhl-		PLANT SPECIFICATION	
REV	DATE	MADE	CHECKED	APPROVED	PM	DESCRIPTION	

JOHN BROWN					PREP. BY			IN CK. KNO				
•					CHKD. BY	H.ch. fur	A-Ch./01	ry 4. a. 1-64				
PROCESS SPECIFICATION						APPROVED			2x 26x 6110			
VESSELS					D		ISSUE	0	45. 9. 2	3 95.6.9		
							PROJECT NO.	K - 9754 38	64.1	4		
CLIENT SAISUNG DP CHEMICALS CO., LTD. ASACCO					ITEM NO.	S-5211		NO. OFF ONE				
-	LOCATION ULSAW - KOREA							4801/204000		PEID NO. 4801/2041002		
PLAN'	_	WEADI	IC COLUMN	DECANTED								
SERVICE HEADING COLUMN DECANTER SECTION/AREA DISTILLATION / 200  SHEET #20F #3												
133			DESIGN DA	ATA T	UNITS	_	VE	SSFL		JACKET/COIL		
$\vdash$	CAD	ACITY GR		310	m3		VESSEL 1.0 ( NOMINAL)			BUOKE! A PAIE		
-		CENTAGE			1110	_	1	······································				
$\vdash$		IDE DIAM			mm			750				
	-	GTH/HEIG			men			050				
$\vdash$	_	E OF TOP						ELLIPS.				
		E OF BOT					1	Z.I ELLIFO.				
-	_		THICKNESS		mm			75 \$ 6	2			
	$\overline{}$		CONSTRU					CS CS				
	COR	ROSION A	LLOWANCE		Pratty			3.0				
	LIN	ING						ONE				
	TYP	E OF DUT	Υ				DE	CANTER				
	HOR	IZONTAL/	VERTICAL	AXIS			HOR	IZONTAL				
		OPER	RATING CO	ND I T I ONS								
	FLUID HANDLED						NO	NOTE 2				
	FLAMMABLE/EXPLOSIVE						Y	YES				
*	TOXIC						Y	YES				
		CORROSIV	E/EROSIV	E DUE TO			ACET	ACETIC ACID				
		DENSITY			kg/m3		878	878 935				
		RATING P			kg/cm² g		0.1					
	_		N PRESSUI		kg/cm² g		3.5 / FV & 42 C					
			EMPERATU		°C		42.0					
	_		N TEMPER		°C		100 450-0 NOTE 3		3			
$\vdash \vdash$	MIN	. AMBIEN	T OR BUI	LDING TEMP.	°C	-19						
$\vdash$	DETAILS OF INTERNALS											
	AGI	TATOR IT	EM NUMBER	R								
THE STATE OF THE S						NOT	res.					
		SIZE	NO.OFF	FUNCTION		NOTES. (1) DESIGN PRESSURE AT TOP OF VESSEL						
	A	150	1	Liquid inlet			Inlet composi					
	В	80	1	Organic outlet			79.2 wt % Vinyl acetate					
	С	<b>30</b> 40	1	Aqueous outlet			15.4 wt % Acetaldehyde					
	D	<del>30</del> 40	1	Inhibitor inlet			4.3 wt % Water					
æ,	E	100	1	Vent			1.1 wt % Ethyl acetate					
	F					(3)	Steamout at 1	50 °C.				
1	G	<del>50</del> 40	4	Level gauge			) By detailed design contractor.					
	H	<b>30</b> 40	4				) Insulation Classification : None, IF (BOOT ONLY)					
	j	500	1	Manhala		1.0	PROCESS DATA FOR CORRUGATED PLATE					
	K	50	1	Drain			ID FLOWING MAJOR PHAS			ENTRAINED PHASE		
$oxed{oxed{oxed}}$	L					_	3350-300					
	М					(0)	MPOSITION	+ 15 xt.% /	TYL ACETATE ACETALDEHYDE	+ 18 wt. % ACETALDEHYDE		
$\vdash$	N					FL	OW RATE(kg/h)	+ 2 wt. % F	120 9, 02 <b>0</b>	+ 80 #t.% H2O 295		
				DE	DENSITY (kg/m3) 877.8 935.3			935.3 0,57 (AT 42 °C)				
						SU	VISCOSITY(CP) SURFACE TENSION(dyne/cm)  0.31 (AT 42 °C) 0.57 (AT 42 °C) 65			65		
						PR	PRESSURE DROP (kg/cm2)					
						1	CORRUGATED PLATE SI		_			
	The second secon											

PR634 / REV1 (FDP5) - BP

REV.3



PR374 / REV1 (FDP5) - BP