

 Practical Engineering Guidelines for Processing Plant Solutions		TAG NO.:		EQUIPMENT:			
		LOCATION:		PROJECT:			
		REV: 01		CLIENT:			
		PAGE 1 OF 1					
SERVICE:	TOWER CONDENSER			INSTALLATION: HORZ <input type="checkbox"/>			
MFR'S SIZE	IN ID	FT LENGTH	MFR'S TYPE:		VERT <input type="checkbox"/>		
BATTERIES EACH CONSISTING OF		PARALLEL BANKS OF	SHELLS IN SERIES		INCL <input type="checkbox"/>		
(FT2) PER SHELL		SHELLS PER BATTERY	(FT2) PER BATTERY				
FLUID NAME	UNITS	SHELL SIDE		TUBE SIDE			
		HC		WATER			
		INLET	OUTLET	INLET	OUTLET		
TOTAL FLUID	LB/HR						
VAPOR	LB/HR						
LIQUID	LB/HR						
STEAM	LB/HR						
WATER	LB/HR						
NONCONDENSABLES	LB/HR						
MOLECULAR WEIGHT	VAPOR NONCON						
OPERATING T	F						
OPERATING P	PSIG						
PHYSICAL PROPERTIES OF VAPOR (INCLUDE STEAM AND NONCONDENSABLES)							
THERMAL COND.	BTU/HR.FT.F						
VISCOSCITY	cP						
SPECIFIC HEAT	BTU/LB.F						
DENSITY	LB/FT ³						
PHYSICAL PROPERTIES OF LIQUID (INCLUDES WATER)							
THERMAL COND.	BTU/HR.FT.F						
VISCOSCITY	cP						
SPECIFIC HEAT	BTU/LB.F						
DENSITY	LB/FT ³						
LATENT HEAT	BTU/LB						
DEW PT / BUBBLE PT	F						
NO. PASSES							
VELOCITY	FT/S						
PRESSURE DROP	PSI	ALLOW	CALC	ALLOW	CALC		
SENSIBLE HEAT	MMBTU/H						
LATENT HEAT	MMBTU/H						
TOTAL DUTY	MMBTU/H						
FILM RATE	BTU/FT ² .HR.F	HO		HIO			
FOULING FACTOR		RO		RI			
LMTD: F	MTD: F	U CLEAN	U CALC	U DESIGN	BTU/FT ² .HR.F		
CONSTRUCTION OF ONE SHELL							
DESIGN & TEST PRES.	PSIG						
DESIGN TEMP.	F	MAX:	MIN:	MAX:	MIN:		
TUBES:		LENGTH=	FT	Le=	FT		
TUBES: TYPE		OD=	TH'K (AVE) =	PITCH=	(IN)		
SHELL:	ID, TH'K =	(IN)	BAFFLE SPACING C/C	INLET	(IN)		
BAFFLE CROSS: NO.:	/SHELL	TH'K:	TYPE:	%CUT			
BAFFLE LONG: NO.:	/SHELL	BAFFLE-DAM:	%OF AREA (FT ²)	IMPING BAFFLE:	<Y/N>		
RV2: INLET NOZZLE		BUNDLE ENTRANCE:	BUNDLE EXIT:	(LB/FT.S ²)			
MATERIALS & THICK	SHELL & COVER	.	t	TUBE	.	t	GASKET SHELL
	FLOAT HEAD COVER	.	t	TUBE SHEET(S)	.	t	GASKET FLOAT HEAD
	BAFFLES	.	t	TUBE SHEET(F)	.	t	GASKET CHANNEL
	TUBE SUPPORT	.	t	CHANNEL & COVER	.	t	SOACERS & TIE RODS
CORROSION ALLOWANCE:	SHELL SIDE	TUBE SIDE	(IN)	STRESS REL.(SR)	<input type="checkbox"/>	RADI. (XR)	<input type="checkbox"/>
CODE REQ.	TEMA CLASS	WEIGHTS: SHELL	BUNDLE	FULL OF WATER	(LB)		
NOZZLES	SHELL: SIZE & RATING	TUBE: SIZE & RATING	SKETCH				
INLET							
OUTLET							
INTERMED							
DRAIN							
VENT							
REMARKS:							
DATE							
PREPARED							
REVIEWED							