

Heat Exchanger Specification Sheet

Company:									
Service of Unit:				Our Reference:					
Item No.:				Your Reference:					
Date:		Rev No.:		Job No.:					
Size: -- in		(A) TEMAType:		(A) Hor/Vert		Connected in		parallel series	
Surf/unit(eff.) ft ²		Shells/unit		Surf/shell (eff.)		ft ²			
PERFORMANCE OF ONE UNIT									
(A) Fluid allocation				Shell Side			Tube Side		
(A) Fluid name									
(A) Fluid quantity, Total lb/h									
(A) Vapor (In/Out) lb/h									
(A) Liquid lb/h									
(A) Steam lb/h									
(A) Water lb/h									
(A) Noncondensable lb/h									
(A) Temperature (In/Out) °F									
(B) Dew / Bubble point °F									
(B) Density (Vap / Liq) lb/ft ³				/		/		/	
(B) Viscosity cp				/		/		/	
(B) Molecular wt, Vap									
(B) Molecular wt, NC									
(B) Specific heat (Vap / Liq) BTU/(lb*F)				/		/		/	
(B) Thermal conductivity (Vap / Liq) BTU/(ft*h*F)				/		/		/	
(B) Latent heat BTU/lb									
(A) Pressure (abs) psia									
Velocity ft/s									
(A) Pressure drop, allow./calc. psi									
Fouling resist. (min) ft ² *h*F/BTU									
Heat exchanged BTU/h				MTD corrected				°F	
Transfer rate, Service				Dirty		Clean		BTU/(h*ft ² *F)	
(C) CONSTRUCTION OF ONE SHELL									
				Shell Side			Tube Side		
(A) Design/Ext Pressure psig				/			/		
(A) Design temperature °F									
Number passes per shell									
Corrosion allowance in									
Connections		In in	(#)	(NPS) / (Rating #)		(#)	(NPS) / (Rating #)		
Size/rating		Out		/		/			
Nominal		Intermediate		/		/			
Tube No.				OD		Tks- Avg (Ga) in		Length in	
Tube type (Plain/Finned)				Material (Spec #/Mat/Wld or Smls)				Tube pattern (30,60,45,90)	
Shell (Material)				ID		OD in		Shell cover (Material)	
Channel or bonnet (Material)								Channel cover (Material)	
Tubesheet-stationary (Material)								Tubesheet-floating (Material)	
Floating head cover (Material)								Impingement protection (Y/N/Type)	
Baffle-crossing (Material)		Type		(Single/Dbl/Tri)		Cut(%d)		Spacing: c/c (Baffle Spacing) in	
Baffle-long (Material)		Seal type				Inlet		in	
Supports-tube (Material)		U-bend				Type			
Bypass seal (Material)		Tube-tubesheet joint				(Exp,Seal Wld, Str Wld)			
Expansion joint (Material)		Type				(F&F,Bellows)			
RhoV2-Inlet nozzle		Bundle entrance				Bundle exit		lb/(ft*s ²)	
Gaskets - Shell side (Material)		Tube Side (Material)							
Floating head (Material)									
Code requirements				TEMA class (B,C,R)					
Weight/Shell				Filled with water				Bundle lb	
Remarks									