

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/ft³		/	/	/	/				
(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)		ft²*h*F/BTU									
Heat exchanged		BTU/h				MTD corrected		°F			
Transfer rate, Service		Dirty				Clean		BTU/(h*ft²*F)			
(C) CONSTRUCTION OF ONE SHELL											
		Shell Side				Tube Side				Sketch	
(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		Pitch 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/DbI/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*s²)			
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											