

### Heat Exchanger Specification Sheet

1	Company:										
2	Location:										
3	Service of Unit:					Our Reference: i					
4	Item No.:					Your Reference:					
5	Date:			Rev No.:			Job No.:				
6	Size	--	in	Type	Connected in			parallel	series		
7	Surf/unit (eff.)	ft <sup>2</sup>		Shells/unit	Surf/shell (eff.)			ft <sup>2</sup>			
8	<b>PERFORMANCE OF ONE UNIT</b>										
9	Fluid allocation			Shell Side				Tube Side			
10	Fluid name										
11	Fluid quantity, Total			lb/h							
12	Vapor (In/Out)			lb/h							
13	Liquid			lb/h							
14	Noncondensable			lb/h							
15											
16	Temperature (In/Out)			°F							
17	Dew / Bubble point			°F							
18	Density	Vapor/Liquid		lb/ft <sup>3</sup>	/	/	/	/	/	/	
19	Viscosity			cp	/	/	/	/	/	/	
20	Molecular wt, Vap										
21	Molecular wt, NC										
22	Specific heat			BTU/(lb F)							
23	Thermal conductivity			BTU/(ft h F)							
24	Latent heat			BTU/lb							
25	Pressure (abs)			psi							
26	Velocity			ft/s							
27	Pressure drop, allow./calc.			psi							
28	Fouling resist. (min)			ft <sup>2</sup> h F/BTU				Ao based			
29	Heat exchanged			BTU/h				MTD corrected		°F	
30	Transfer rate, Service			Dirty			Clean			BTU/(h ft <sup>2</sup> F)	
31	<b>CONSTRUCTION OF ONE SHELL</b>										
32				Shell Side				Tube Side			
33	Design/vac/test pressure:g			psi		/	/	/	/	/	/
34	Design temperature			°F							
35	Number passes per shell										
36	Corrosion allowance			in							
37	Connections	In	in	/	/			/			
38	Size/rating	Out		/	/			/			
39	Nominal	Intermediate		/	/			/			
40	Tube No.	OD	Tks-Avg	in	Length	ft	Pitch	in			
41	Tube type	Plain		#/in	Material	Tube pattern					
42	Shell	Carbon Steel	ID	OD	in	Shell cover					
43	Channel or bonnet	I		Channel cover			-				
44	Tubesheet-stationary	-		Tubesheet-floating			-				
45	Floating head cover	-		Impingement protection							
46	Baffle-crossing	I	Type	Cut(%d)			H	Spacing: c/c		in	
47	Baffle-long	Seal type		Inlet			in				
48	Supports-tube	U-bend		Type							
49	Bypass seal										
50	Expansion joint										
51	Rho/V2-Inlet nozzle	Bundle entrance			Bundle exit			lb/(ft s <sup>2</sup> )			
52	Gaskets - Shell side										
53	Gaskets - Tube Side										
54	Floating head										
55	Code requirements					TEMA class					
56	Weight/Shell			Filled with water			Bundle			lb	
57	Remarks										
58											

