

General Fabrication and Performance Information

FIGURE G-5.2
HEAT EXCHANGER SPECIFICATION SHEET

1			Job No.	
2	Customer			Reference No.
3	Address			Proposal No.
4	Plant Location	Date	Rev.	
5	Service of Unit			Item No.
6	Size	Type	(Hor/Vert)	Connected In Parallel Series
7	Surf/Unit (Gross/Eff.)	Sq Ft; Shells/Unit		Surf/Shell (Gross/Eff.) Sq Ft
8	PERFORMANCE OF ONE UNIT			
9	Fluid Allocation	Shell Side		Tube Side
10	Fluid Name			
11	Fluid Quantity, Total	Lb/Hr		
12	Vapor (In/Out)			
13	Liquid			
14	Steam			
15	Water			
16	Noncondensable			
17	Temperature (In/Out)	°F		
18	Specific Gravity			
19	Viscosity, Liquid	Cp		
20	Molecular Weight, Vapor			
21	Molecular Weight, Noncondensable			
22	Specific Heat	Btu/Lb °F		
23	Thermal Conductivity	Btu Ft/Hr Sq Ft °F		
24	Latent Heat	Btu/Lb @ °F		
25	Inlet Pressure	Psig		
26	Velocity	Ft/S		
27	Pressure Drop, Allow./Calc.	Psi	/	/
28	Fouling Resistance (Min.)			
29	Heat Exchanged	Btu/Hr; MTD (Corrected)		°F
30	Transfer Rate, Service	Clean		Btu/Hr Sq Ft °F
31	CONSTRUCTION OF ONE SHELL			Sketch (Bundle/Nozzle Orientation)
32		Shell Side	Tube Side	
33	Design/Test Pressure	Psig	/	/
34	Design Temperature	°F		
35	No. Passes per Shell			
36	Corrosion Allowance	In.		
37	Connections	In		
38	Size & Rating	Out		
39		Intermediate		
40	Tube No.	OD	In.;Thk (Min/Avg)	In.; Length Ft; Pitch In. ◀ 30 ▲ 60 ⇨ 90 ◆ 45
41	Tube Type	Material		
42	Shell	ID	OD	In. Shell Cover (Integ.) (Remov.)
43	Channel or Bonnet	Channel Cover		
44	Tubesheet-Stationary	Tubesheet-Floating		
45	Floating Head Cover	Impingement Protection		
46	Baffles-Cross	Type	% Cut (Diam/Area)	Spacing: c/c Inlet In.
47	Baffles-Long	Seal Type		
48	Supports-Tube	U-Bend	Type	
49	Bypass Seal Arrangement	Tube-Tubesheet Joint		
50	Expansion Joint	Type		
51	pv'-Inlet Nozzle	Bundle Entrance	Bundle Exit	
52	Gaskets-Shell Side	Tube Side		
53	-Floating Head			
54	Code Requirements	TEMA Class		
55	Weight/Shell	Filled with Water	Bundle	Lb
56	Remarks			
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