

HEAT EXCHANGER SPECIFICATION SHEET



Customer	Job No.				
Address	Reference No.				
Plant Location	Date			Rev 0	
Service of Unit	Item No.				
Size	Type Hairpin	Horz.	Connected In	1 Parallel	1 Series
Surf/Unit (Gross/Eff) 49.01 / 48.86 ft2	Shell/Unit 1	Surf/Shell (Gross/Eff) 49.01 / 48.86 ft2			

PERFORMANCE OF ONE UNIT

Fluid Allocation	Shell Side		Tube Side	
Fluid Name				
Fluid Quantity, Total lb/hr				
Vapor (In/Out)				
Liquid				
Steam				
Water				
Noncondensables				
Temperature (In/Out) F				
Specific Gravity				
Viscosity cP				
Molecular Weight, Vapor				
Molecular Weight, Noncondensables				
Specific Heat Btu/lb-F				
Thermal Conductivity Btu/hr-ft-F				
Latent Heat Btu/lb				
Inlet Pressure psia				
Velocity ft/sec				
Pressure Drop, Allow/Calc psi				
Fouling Resistance (min) ft2-hr-F/Btu				
Heat Exchanged Btu/hr	MTD (Corrected)			
Transfer Rate, Service				

CONSTRUCTION OF ONE SHELL

Sketch (Bundle/Nozzle Orientation)

	Shell Side	Tube Side			
Design/Test Pressure psig					
Design Temperature F					
No Passes per Shell					
Corrosion Allowance inch					
Connections	In inch				
Size & Rating	Out inch				

Tube No.	OD	Thk	Length	Pitch	Layout
Tube Type	Plain		Material		
Shell	Sch STD	OD	inch	Shell Cover	
Channel or Bonnet				Channel Cover	
Tubesheet-Stationary				Tubesheet-Floating	
Floating Head Cover				Impingement Plate	
Baffles-Cross	Type	Spacing(c/c)	inch		
Baffles-Long			Seal Type		
Supports-Tube			U-Bend	Type	
Bypass Seal Arrangement			Tube-Tubesheet Joint		
Expansion Joint			Type		
Rho-V2-Inlet Nozzle					
Gaskets-Shell Side		Tube Side	C.S. with SEG	Bonnet	Grafoil® or equal
Tube Closure Type					
Code Requirements	ASME BPVC VIII, Div. 1, U Stamp	Registration	National Board	TEMA Class	R (where applicable)
Weight/Shell 850	Filled with Water 950		Bundle 150	lb	

Remarks:

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