24	Latent heat					
25	Pressure (abs)	kPa	500	420	650	570
26	Velocity (Mean/Max)					
27	Pressure drop, allow./calc.	kPa	80		80	
28	Fouling resistance (min)	m^2-K/W		0.0002		0.0003
29	Heat exchanged	kW		/ Heat exchanged mutiplier	1	MTD (corrected)
30	Transfer rate, Service		Dirty		Clean	

31	**CONSTRUCTION OF ONE SHELL**								**Sketch**	
32			Shell Side			Tube Side				
33	Design/Vacuum/test pressure:g	kPa	600	/	/	800	/	/		
34	Design temperature/MDMT	°C °C	235	/		115	/			
35	Number passes per shell						2			
36	Corrosion allowance	mm		3.18			3.18			
37	Connections	In mm	1	/	-	1	/	-		
38	Size/Rating	Out	1	/	-	1	/	-		
39		Intermediate		/	-		/	-		

40	Tube #: 170	OD: 19.05	mm	Tks. 2.11	mm	Length: 50	mm	Pitch: 23.81	mm	Tube pattern: 30-Trian		
41	Tube type: Plain		Insert: None			Fin#:		Material: Carbon Steel	1			
42	Shell Carbon St	1	ID 14.536	OD 15.25	in	Shell cover						
43	Channel or bonnet	Carbon Steel	1			Channel cover						
44	Tubesheet-stationary	Carbon Stee	1	Set	0	Tubesheet-floating						
45	Floating head cover					Impingement protection	None					
46	Baffle-cross	Carbon Stee	1	Type	Single segmental	Cut(%d)		Spacing: c/c	76	mm		
47	Baffle-long		Seal Type					Inlet	178.98	mm		
48	Supports-tube	U-bend				Type						
49	Bypass seal			Tube-tubesheet joint		Expanded only (2 grooves)(App.A 'i')						
50	Expansion joint			Type								
51	RhoV2-Inlet nozzle		Bundle entrance			Bundle exit						
52	Gaskets - Shell side		0			Tube side	Flat metal jacket	82				
53	Floating head											
54	Code requirements	ASME Code Sec VIII Div 1		TEMA class	R - refinery service							
55	Weight/Shell		Filled with water		Bundle							
56	Remarks											
57												
58												