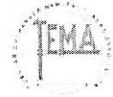




Member Of



AMERICAN PRECISION INDUSTRIES

Basco Division

2777 Walden Avenue, Buffalo, New York 14225 • (716) 684 6700 • Fax (716) 684 2129

1		Job No: 950224	
2	Customer: West Valley Nuclear	Ref. No:	
3	Address:	Proposal No: 945JRG981	
4	Plant Location:	Date: March 22, 1995	
5	Service of Unit: Water Heater	Item No: 01	
6	Size: 12180 Type: 6(BEU)	Connected In:	
7	SqFt/Unit (Gross): 366	Shells/Unit: One	SqFt/Shell (Gross): 366
8	PERFORMANCE OF ONE UNIT		
9		Shell Side	Tube Side
10	Fluid Circulated	: 50/50 E.G. -Water	: Water
11	Total Fluid Entering	: 150 GPM	: 120 GPM
12	Vapor	:	:
13	Liquid	: 150 GPM	: 120 GPM
14	Steam	:	:
15	Non-condensables	:	:
16	Fluid Vaporized or Condensed	:	:
17	Steam Condensed	:	:
18	Specific Gravity/Density	:	:
19	Viscosity Cp	:	:
20	Molecular Weight	:	:
21	Specific Heat BTU/Lb-F	:	:
22	Thermal Cond. BTU/Hr-Ft-F	:	:
23	Latent Heat BTU/Lb	:	:
24	Temperature In F	: 40	: 60
25	Temperature Out F	: 50	: 50
26	Operating Pressure PSIG	:	:
27	No. Passes Per Shell	: One	: Two
28	Velocity Ft/sec	:	: 4.8
29	Pressure Drop PSI	: 7	: 9.3
30	Fouling Resistance (Min.)	: .0005	: .0005
31	Heat Exchanged-BTU/Hr: 617,179	MTD-Corrected-F: 8	
32	Transfer Rate-Service: 210.78	Clean:	
33	CONSTRUCTION OF ONE SHELL		
34	Design Pressure PSI	: 150	
35	Test Pressure PSI	: 225	
36	Design Temperature (Max/Min) F	: 20 to 300	: 20 to 300
37	Tubes: #304 SS	No: 74u'sOD: 5/8" BWG: 18 Lg: 180"	Pitch: .78125" TRI
38	Shell: #304 SS	ID: OD: 12" nom	Shell Cover: #304 SS Int/Rem
39	Bonnet/Channel: #304 SS bon w/rad nozz	Channel Cover:	
40	Tubesheet-Stationary: #304 SS	Tubesheet-Floating:	
41	Baffles-Cross: #304 SS	Type: Seq.	Floating Head Cover:
42	Baffles-Long:	Type:	Impingement Protection:
43	Tube Supports:		
44	Tube To Tubesheet Joint: Mech. rolled.	Sq. grooved tube holes.	
45	Gaskets: Non-asbestos	Packing:	
46	Connections-Shell Side IN: 6" SOF	OUT: 6" SOF	Rating: 150# ANSI
47	Bonnet/Channel Side IN: 3" SOF	OUT: 3" SOF	Rating: 150# ANSI
48	Corrosion Allowance-Shell Side: None req'd	Tube Side: None req'd	
49	Code Requirements ASME SECTION VIII, DIV. 1, w/ stamp	TEMA Class: R	
50	Other: None		
51	Remarks: Movable "strap" type cradles.		
52	: Estimated overall length is 17' -6".		
53	:		
54	:		