



ELECTRIC CIRCULATION HEATER

PROJECT NAME:

PROJECT NO.:

INQUIRY NO.:

CUSTOMER NAME:

CONTACT NAME:

PHONE:

FAX:

EMAIL:

SERVICE DATA

1	SERVICE OF UNIT:	NO. UNITS:
2	SIZE:TYPE:ARRANGEMENT: HORIZONTAL	CONNECTED IN:SERIES
3		
4	USER:LOCATION:	

DESIGN PARAMETERS

5		PROCESS FLUID (# 1)				PROCESS FLUID (# 2)			
6	FLUID NAME								
7	FLUID FLOW RATE - TOTAL LB/HR								
8		IN		OUT		IN		OUT	
9	VAPOR LB/HR								
10	LIQUID LB/HR								
11	STEAM LB/HR								
12	WATER LB/HR								
13	NONCONDENSABLE LB/HR								
14	TEMPERATURE °F								
15	MOL. WT.: VAPOR								
16	MOL. WT.: NONCONDENSABLE								
17	DENSITY LB/(FT)3	LIQ.	VAP.	LIQ.	VAP.	LIQ.	VAP.	LIQ.	VAP.
18	VISCOSITY Cp	LIQ.	VAP.	LIQ.	VAP.	LIQ.	VAP.	LIQ.	VAP.
19	THERMAL CONDUCTIVITY BTU/HR-FT-F	LIQ.	VAP.	LIQ.	VAP.	LIQ.	VAP.	LIQ.	VAP.
20	SPECIFIC HEAT BTU/LB-F	LIQ.	VAP.	LIQ.	VAP.	LIQ.	VAP.	LIQ.	VAP.
21									
22									
23									
24	OPERATING PRESSURE PSIG								
25	PRESSURE DROP PSI	ALLOW.		CALC.		ALLOW.		CALC.	
26									
27									
28	HEAT EXCHANGED BTU/HR					(CORRECTED)			
29		SERVICE:		CLEAN:					

CONSTRUCTION DATA

30		PROCESS SIDE				POWER SUPPLY:		VOLTS:		PHASE:		HERTZ:	
31	PRESSURE, PSIG	DESIGN		TEST		CLASSIFICATION:		CLASS:		DIV.		GROUP:	
32	TEMPERATURE, F	DESIGN		MDMT		LOCATION:		TEMP. CODE:					
33	NO. of VESSELS	1				HEAT INPUT:		BTU/HR		kW			
34	CORR. ALLOW. IN.					DESIGN HEAT FLUX, W/in <sup>2</sup> :							
35	NOZZLES	NO.	SIZE	RATING & FACING		ELEMENT SURFACE TEMPERATURE, °F:							
36	INLET												
37	OUTLET					MATERIALS				TEMP			
38	VENT					ITEM		MATERIAL		DEG.F	SPECIFICATION		
39	DRAIN					ELEMENT SHEATH							
40	TEMPERATURE CONN.												
41	PRESSURE CONN.					SHELL							
42													
43						FLANGE							
44						BOLTING							
45	INSULATION THICKNESS:	Inches											
46	CODE REQ'D ASME:	SEC. VIII DIV. I				WEATHER TIGHT JACKET							
47	SHELL DIA.	Inches											
48													

CONTROLS

49	TYPE:												
50	LOCATION:	CLASSIFICATION:				CLASS:		DIV.		GROUP:			
51	AMBIENT:	MINIMUM:		°F		MAXIMUM:		°F					
52	TEMPERATURE CONTROLLER:												
53	SPECIAL FEATURES:												
54													
55													

NOTES

56	(1)											
57	(2)											
58	(3)											
59	(4)											
60	(5)											