



**CCI Thermal**  
Technologies Inc.  
Heating and Filtration Solutions

PROJECT NAME: \_\_\_\_\_  
 PROJECT NO.: \_\_\_\_\_  
 INQUIRY NO.: \_\_\_\_\_  
 CUSTOMER NAME: \_\_\_\_\_  
 CONTACT NAME: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_

**ELECTRIC CIRCULATION HEATER**

**SERVICE DATA**

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

**DESIGN PARAMETERS**

		PROCESS FLUID (# 1)				PROCESS FLUID (# 2)			
		IN		OUT		IN		OUT	
5	FLUID NAME								
7	FLUID FLOW RATE - TOTAL LB/HR								
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**

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

**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)	