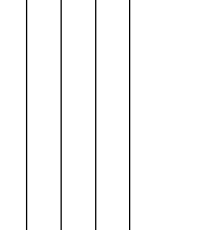


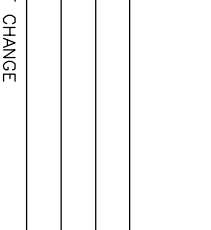
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KANSAS CITY DEAERATOR CO.,  
2400 PARK, KANSAS 66209

NO.	DATE	DESCRIPTION OF CHANGE
-	-	-
-	-	-
-	-	-

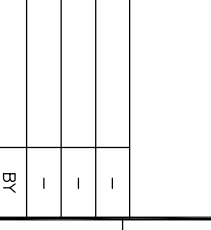
**FRONT VIEW**



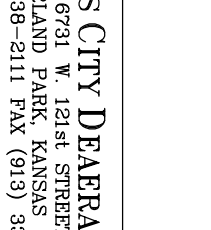
**END VIEW**



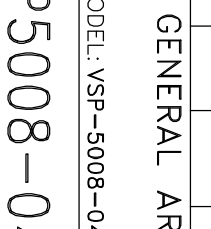
**TOP VIEW**



**FRONT VIEW**



**END VIEW**



**TOP VIEW**



CLIENT:

**KANSAS CITY DEAERATOR CO.**  
6731 W. 121st STREET  
OVERLAND PARK, KANSAS 66209  
(913) 338-2111 FAX (913) 338-2144

JOB #	SCALE	DESIGNED	DRAWN	CHECKED	DATE	UTD
STD	NTS	MK	GENI	PC	12-17 2003	12-17 2003
TITLE: GENERAL ARRANGEMENT						
MODEL: VSP-5008-040						
DWG. NO.: VSP5008-040-CR45-3						

**NOTES:**  
1. CUSTOMER TO FIELD ALIGN PUMPS AND MOTORS, THEN SEND KCD CERTIFICATION PAPERS.  
2. GROUT STAND AS NECESSARY.

A1	INLET VALVE	NONE	
A2	CONTROL VALVE	NONE	
A3	BYPASS VALVES	NIBCO	T-111
A4	MAKE UP BY-PASS PIPING	KOD SHOP	
A5	STRAINER	NONE	
B1	STEAM PRV	NONE	
B2	STEAM CONTROLLER	NONE	
B3	BYPASS VALVES	NONE	
B4	STEAM PRV BY-PASS PIPING	NONE	
B5	1 STRAINER	MUELLER	752
C1	RELIEF VALVE	NONE	
C2	RELIEF VALVE PIPING	NONE	
D1	THERMOWELL	NONE	
E1	PRESSURE GAUGE	NONE	
E2	SIPHON & COCK	NONE	
E3	PRESSURE TRANS	NONE	
F1	VENT VALVE	NONE	
F2	1 ORIFICE PLATES	#N/A	
F3	BYPASS VALVES	NONE	
F4	VENT PIPING	NONE	
G1	IMV SPARE GASKETS	NONE	
H1	VACUUM BREAKER	NONE	
M1	BFP RECIRC SHUTTOFF		
M2	BFP RECIRC CHECK		
M3	BFP ORIFICE / VALVE		
M4	BFP PIPING	NONE	
M5	BFP PRESSURE GAUGE		
M6	BFP PRESSURE GAUGE	GRUNDFOS	CR60-50U
M7	BOILER FEED PUMPS	NIBCO	FS17-0
N2	ISOLATION VALVE	4	
N3	2 STRAINER	4	MUELLER 758
N4	2 PIPING	4	KOD SHOP
N5	2 EXPANSION JOINT	4	
N6	BFP DISC PRESSURE GAUGE		
N7	BFP DISC CHECK		
N8	BFP DISCH ISOLATION		
O	CHEMICAL FEED QUILL	NONE	
P	IMV SPARE GASKETS		
Q1	OVERFLOW VALVE	NONE	
Q2	CONTROL VALVE	NONE	
Q3	OVERFLOW PIPING	NONE	
R1	LEVEL SWITCH BRIDLE PIPING	1 1/2	T-111
R2	LEVEL SWITCH BRIDLE PIPING	1 1/2	T-111
S1	1 GAUGE GLASS	NONE	
S2	1 GAUGE GLASS BRIDLE PIPING	1 1/2	NIBCO T-111
T1			
2	CONTROL PANEL STARTERS	NONE	
1	PUMP STAND	14.2	