



FRONT VIEW

END VIEW

A1	INLET VALVE			NONE	
A2	CONTROLLER			NONE	
A3	3 BYPASS VALVES	2		NIBCO	T-111
A4	1 MAKE UP BY-PASS PIPING	2		KOD SHOP	
A5	1 STRAINER			NONE	
B1	STEAM PRV			NONE	
B2	STEAM CONTROLLER			NONE	
B3	STEAM VALVES			NONE	
B4	STEAM PRV BY-PASS PIPING			NONE	
B5	1 STRAINER	3		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		#N/A	
F3	VENT VALVES			NONE	
F4	1 VENT PIPING			NONE	
G1	1 MW SPARE GASKETS			NONE	
H1	1 VACUUM BREAKER			NONE	
M1	BFP RECIRC SHUTTOFF				
M2	BFP RECIRC CHECK				
M3	BFP ORIFICE / VALVE				
M4	BFP PIPING			NONE	
M5	BFP PRESSURE GAUGE	4		GRUNDFOS	CR80-50U
M1	2 BOILER FEED PUMPS	4		NIBCO	F817.0
N2	2 ISOLATION VALVE	4		MUELLER	758
N3	2 STRAINER	4		KOD SHOP	
N4	2 PIPING	4			
N5	2 EXPANSION JOINT				
N6	BFP DISC PRESSURE GAUGE				
N7	BFP DISC CHECK				
N8	BFP DISCH ISOLATION				
O	CHEMICAL FEED QUILL			NONE	
P	1 MW SPARE GASKETS				
Q1	OVERFLOW VALVE			NONE	
Q2	CONTROLLER			NONE	
Q3	OVERFLOW PIPING			NONE	
R1	LEVEL SWITCHES			NONE	
R2	1 LEVEL SWITCH BRIDLE PIPING	1 1/2		NIBCO	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		

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

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NO.	DATE	DESCRIPTION OF CHANGE
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-	-	-

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	1-16 2004	1-16 2004

TITLE: **GENERAL ARRANGEMENT**

MODEL: VTP32-3006-05-CR8-80

DWG. NO.: **VTP032-3006-05-CR8-80**