

A1	INLET VALVE	NONE	
A2	CONTROLLER	NONE	
A3	BYPASS VALVES	2	NIBCO
A4	1 MAKE UP BY-PASS PIPING	2	KOD SHOP
A5	1 STRAINER	NONE	
B1	STEAM PRV	NONE	
B2	STEAM CONTROLLER	NONE	
B3	BYPASS VALVES	NONE	
B4	STEAM PRV BY-PASS PIPING	NONE	
B5	1 STRAINER	3	MUELLER
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	#/NA	#/NA
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	4	GRUNDOS
M6	2 BOILER FEED PUMPS	4	NIBCO
N2	ISOLATION VALVE	4	MUELLER
N3	2 STRAINER	4	KOD SHOP
N4	2 PIPING	4	
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	CONTROLLER	NONE	
Q3	OVERFLOW PIPING	NONE	
R1	LEVEL SWITCHES	NONE	
R2	1 LEVEL SWITCH BRIDLE PIPING	1 1/2	NIBCO
S1	1 GAUGE GLASS	NONE	
S2	1 GAUGE GLASS BRIDLE PIPING	1 1/2	NIBCO
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
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DESCRIPTION OF CHANGE
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BY
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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	10-21 2003	10-21 2003
TITLE: GENERAL ARRANGEMENT						
MODEL: VSP-7012-130						
DWG. NO: VSP7012-130-CR64-3						