



NOTE:
CUSTOMER TO FIELD ALIGN PUMPS AND MOTORS, THEN SEND KCD CERTIFICATION PAPERS.

A1	INLET VALVE	NONE	NONE	
A2	CONTROLLER	NONE	NONE	
A3	BYPASS VALVES	2	NIBCO	T-111
A4	MAKE UP BY-PASS PIPING	2	KCD SHOP	
A5	STRAINER	NONE	NONE	
B1	STEAM PRV	NONE	NONE	
B2	STEAM CONTROLLER	NONE	NONE	
B3	BYPASS VALVES	NONE	NONE	
B4	STEAM PRV BY-PASS PIPING	3	MELLER	782
B5	1 STRAINER	NONE	NONE	
C1	RELIEF VALVE	NONE	NONE	
C2	RELIEF VALVE PIPING	NONE	NONE	
D1	THERMOWELL	NONE	NONE	
E1	PRESSURE GAUGE	NONE	NONE	
E2	SIPHON & COCK	NONE	NONE	
E3	PRESSURE TRANS	NONE	NONE	
F1	VENT VALVE	NONE	NONE	
F2	1 ORIFICE PLATES	#N/A	#N/A	
F3	BYPASS VALVES	NONE	NONE	
F4	VENT PIPING	NONE	NONE	
G1	1M/ SPARE GASKETS	NONE	NONE	
H1	VACUUM BREAKER	NONE	NONE	
M1	BFP REGICR SHUTOFF			
M2	BFP REGICR CHECK			
M3	BFP ORIFICE / VALVE			
M4	BFP PIPING	NONE		
M5	BFP PRESSURE GAUGE	4	GRUNDFOSS	CR80-50U
N1	2 BOILER FEED PUMPS	4	NIBCO	FB17-0
N2	2 ISOLATION VALVE	4	MELLER	789
N3	2 STRAINER	4	KCD 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	1M/ SPARE GASKETS	NONE		
Q1	OVERFLOW VALVE	NONE		
Q2	CONTROLLER	NONE		
Q3	OVERFLOW PIPING	NONE		
R1	LEVEL SWITCHES	NONE		
R2	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		

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

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 8-11 8-11
2003 2003

TITLE: **GENERAL ARRANGEMENT PACKAGE - HS4004**

MODEL: HS4004-040-CR8-80

DWG. NO.: **HS4004-040-cr8-80**