



NOTES

1. FOR GENERAL NOTES AND SYMBOLS SEE DRAWING 4A, 4B.
 2. SEE DRAWING 13M FOR STEAM SIDE PIPING.
 3. REFER TO WRITE-UP BY CONTROL SYSTEMS ENGINEERING FOR INTERLOCK DESCRIPTION.
 4. DELETED.
 5. DELETED.
 6. FOR LINE BLOWING.
 7. DELETED.

143-C			
FEED GAS	COMPRESSOR	KICKBACK	COOLER
		SHELL	TUBE
DES./OPER.TEMP	°C	380/113.1; 49.3	80/36; 44.1
DES./OPER.PRESS	kg/cm ² G	48/29.5	8.5/4
INSULATION/THICK	mm	HOT/65	PP/25
MATERIAL	CS	CS	SEAMLESS
DIMENSION (ID SHELLxL)	mm	1000x6000	
SURFACE AREA	m ²	273	

102-JT		
TURBINE FOR FEED GAS COMPRESSOR		
DES./OPER.TEMP	°C	425/384.3
DES./OPER.PRESS	kg/cm ² G	52/45.9
RATED POWER	kW	3059

102-J			
FEED GAS COMPRESSOR			
		SUCT.	DISCH.
NOR. PRESS.	kg/cm ² G	19.93	48.77
NOR. TEMP.	C	30	
CAPACITY (DESIGN)	Nm ³ /h	77470	
POWER (DESIGN)	kW	2720	

REVISIONS

PROJECT NAME : KALTIM-5 PROJECT
2500 MTPD AMMONIA AND 3500 MTPD UREA
BONTANG, EAST KALIMANTAN, INDONESIA

CLIENT NAME : **PUPUK KALTIM**
PT. PUPUK KALIMANTAN TIMUR

KBR Engineering Services by
KBR Technical Services, Inc.

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14/NOV/13

CONTRACTOR WORK NUMBER : 10107 / BA096300 / 11-018-01

PIPING & INSTRUMENT FLOW DIAGRAM

FEED GAS COMPRESSION

SCALE DWG. NO. K5-01-E1-PD-5C-T

DOC NO K5-01-E1-PD-005-T SHEET 005/073 REV. 8

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