



REFERENCE DOCUMENTS				
HET-3000.00-1200-941-PPC-002 - SYMBOLS AND ABBREVIATIONS				
I-DE-3010.90-1200-944-PPC-001 - GENERAL NOTES				
EQUIPMENT				
TAG	DESCRIPTION	TYPE	CAPACITY	
C-UC-1231001A-01 (3 x 50%)	MAIN GAS COMPRESSOR	CENTRIFUGAL	300000 m <sup>3</sup> /W (NOTE 6)	
P-UC-1231001A-01 (3 x 50%)	MAIN GAS COMPRESSOR - COOLER	PRINTED CIRCUIT	9.9 ED W	
UC-1231001A-01 (3 x 50%)	MAIN GAS COMPRESSOR UNIT	-	-	300000 m <sup>3</sup> /W (NOTE 6)
V-UC-1231001A-01 (3 x 50%)	MAIN GAS COMPRESSOR - SUCTION SCRUBBER	VERTICAL	300000 m <sup>3</sup> /W (NOTE 6)	
V-UC-1231001A-02 (3 x 50%)	MAIN GAS COMPRESSOR - DISCHARGE SCRUBBER	VERTICAL	300000 m <sup>3</sup> /W (NOTE 6)	
PNUC-1231001A-02 (3 x 50%)	INJECTION GAS COMPRESSOR UNIT CONTROL PANEL	-	-	
GENERAL NOTES				
1-UTILITY CONNECTION: 2-CLOSED DRAIN.				
3-WELDED T-TYPE STRAINER WITH MESH 250 µm. (PROVIDED BY P-UC-1231001A/C MANUFACTURER.)				
4-SLOW LINE CLEANABLE STRAINER WITH MESH 250 µm AND SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE P-UC-1231001A/C INLET NOZZLE. IT SHALL BE PROVIDED LOOSE BY P-UC-1231001A/C MANUFACTURER.				
5-FLOW AT 30°C AND 101.3 kPa abs.				
7-THE DRAWING SHALL BE UPDATE / COMPLETED BY DETAILING DESIGN ACCORDING TO MANUFACTURER DATA, INCLUDING THE CONFORMATION OF THE PRESSURE CLASS OF ALL LINES AND DESIGN PRESSURE OF ALL EQUIPMENT AFTER SETTLING-OUT DESIGN PRESSURE DEFINITION TAKING INTO ACCOUNT NOTE 13.				
8-THE UNIT SHALL HAVE A DEDICATED LUBE OIL PACKAGE PER TRAIN.				
9-THE NUMBER AND DIAMETER OF THE SCUPPERS DRAIN LINES OF THE COATING SHALL BE DEFINED BY DETAILING DESIGN.				
10-ESSENTIAL INSTRUMENT AIR.				
11-NON ESSENTIAL INSTRUMENT AIR.				
12-THE PSV SIZING CRITERIA, SET POINT AND DIMENSIONS SHALL BE DEFINED BY DETAILING DESIGN ACCORDING TO COMPRESSOR MANUFACTURER'S DATA INFORMATION TAKING INTO ACCOUNT NOTE 13.				
13-THE DESIGN OF THE PIPING AND EQUIPMENT FROM THE INLET OF THE UNIT UP TO THE COMPRESSOR SUCTION SHALL CONSIDER THE MAIN GAS COMPRESSION OVERALL SETTLING-OUT PRESSURE. THE DISCHARGE PIPING AND EQUIPMENT SHALL CONSIDER THE MAIN GAS COMPRESSOR DISCHARGE DESIGN PRESSURE.				
14-THE SUCTION/DISCHARGE AND THE RECYCLE LINES ARE ONLY DESCRIBED INSIDE THE MAIN GAS COMPRESSOR UNIT LIMITS TO AVOID DRAWING COMPRESSION. HOWEVER, THE SUPPLY OF THESE LINES ARE NOT UNDER UC-1231001A/C MANUFACTURER'S RESPONSIBILITY.				
15-VOLUME BETWEEN SURGE CONTROL VALVE, COMPRESSOR DISCHARGE NOZZLE AND CHECK VALVE TO BE MINIMIZED.				
16-ALL INSTRUMENTS DESCRIBED INSIDE THE MAIN GAS COMPRESSOR UNIT LIMITS AND THE RECYCLE VALVE SHALL BE SUPPLIED LOOSE BY UC-1231001A/C MANUFACTURER.				
17-STRAINER FOR START-UP/COMMISSIONING ONLY. TO BE REMOVED AFTERWARDS.				
18-MECHANICAL MIN. STOP TO BE PROVIDED AT 20% OF CALCULATED CV.				
19-CANCELLED.				
20-PERFORMANCE CONTROL (BY COMPRESSOR MANUFACTURER).				
21-THE MASTER PERFORMANCE CONTROL, THE LOADING SHARING CONTROL, THE ANTI-SURGE CONTROL AND THE VARIABLE SPEED CONTROL ARE ONE FOR EACH TRAIN.				
22-ELECTRIC INSULATION JOINTS SHALL BE USED BETWEEN THE COOLING WATER PIPELINE AND PRINTED CIRCUIT HEAT EXCHANGERS FLANGES TO PREVENT GALVANIC CORROSION.				
23-THE SDV WILL ONLY OPEN THROUGH OPERATOR COMMAND IF THE SDV - BY PASS IS OPEN.				
24-COMPRESSOR MANUFACTURER SHALL MAKE AVAILABLE THE SIGNALS LISTED ON PFD-3010.90-1231-321-PPC-103 AT THE CENTRAL CONTROL ROOM (CCR).				
25-SDV TYPICAL 1- GENERAL NOTES:				
26-PART OF THE FLOW METERING SYSTEM FOR DETAIL SEE I-ET-3010.90-1200-800-PPC-005 (FIELD INSTRUMENTATION).				
27- INFORMATION SHALL BE AVAILABLE AT BOTH TOPSIDES SOS HMIs AND FMS WORKSTATION.				
28-ABBREVIATIONS: SOS - SUPERVISION AND OPERATION SYSTEM HMI - HUMAN - MACHINE INTERFACE				
REV.	DESCRIPTION	DATE	EXEC.	CHECK
FILE: SmartPlant P&ID / V 4.03 / I-DE-3010.90-1231-944-PPC-002.pdf				
CLIENT:				
JOB:				
AREA:				
TITLE:				
PIPING AND INSTRUMENT DIAGRAM MAIN GAS COMPRESSION 'A'				
DESIGN	EXEC.	CHECK	APPROV.	
SCALE	NO SCALE	Ad: 1189x841mm	IN-2000-08-001	SHEET 01 of 01
DATE	No.	I-DE-3010.90-1231-944-PPC-002		