



REFERENCE DOCUMENTS

I-ET-3000.00-1200-941-PPC-002 - SYMBOLS AND ABBREVIATIONS

I-DE-3010.90-1200-944-PPC-001 - GENERAL NOTES

I-ET-3010.90-1200-800-PPC-002 - AUTOMATION, CONTROL AND INSTRUMENTATION ON PACKAGE UNITS

I-ET-3010.90-1225-323-PPC-101 - TECHNICAL SPECIFICATION FOR VAPOR RECOVERY UNIT

I-ET-3010.90-1200-800-PPC-003 - FLOW METERING SYSTEM

EQUIPMENT

TAG	DESCRIPTION	TYPE	CAPACITY
PN-UC-1225001 (1 x 100%)	VRU COMPRESSOR CONTROL PANEL	-	-
UC-1225001 (1 x 100%)	VAPOR RECOVERY UNIT	-	(NOTES 8, 17)

GENERAL NOTES

1-HIGH PRESSURE OVERRIDE TO PREVENT COMPRESSOR OVERLOAD WHEN TEST SEPARATOR IS IN LOW PRESSURE MODE.

2-HIGH PRESSURE OVERRIDE TO PREVENT COMPRESSOR OVERLOAD WHEN TEST SEPARATOR IS IN INTERMEDIATE PRESSURE MODE.

3-TEMPERATURE ESTIMATED AS 110°C, TO BE CONFIRMED BY PACKAGER.

4-GAS FLOW MEASUREMENT SYSTEM.ORIFICE PLATE OR V-CONE METER SHALL BE USED.FOR FURTHER DETAILS SEE I-ET-3010.90-1200-800-PPC-003 - FLOW METERING SYSTEM.

5-QUANTITY AND DIAMETER OF SCUPPERS AND DRAIN LINES OF THE DRIP PAN SHALL BE DEFINED DURING DETAIL DESIGN.

6-LEVEL SIGNAL FROM 1ST STAGE SCRUBBER LEVEL TRANSMITTER / CONTROLLER.

7-UNIT PERMISSION TO START.

8-GAS FLOWRATE @ 20°C AND 101.3 kPa abs.

9-THIS DRAWING SHALL BE UPDATED DURING DETAIL DESIGN ACCORDING TO PACKAGER DATA.

10-A CHECK VALVE SHALL BE INSTALLED AT UC-1225001 OUTLET LIMIT.

11-SDV-1225003 SHALL BE LOCATED AS NEAR AS POSSIBLE OF 1ST STAGE SCRUBBER LIQUID OUTLET NOZZLE.

12-ESSENTIAL INSTRUMENT AIR, TO BE CONFIRMED BY DETAILING DESIGN.

13-NON ESSENTIAL INSTRUMENT AIR, TO BE CONFIRMED BY DETAILING DESIGN.

14-GAS LINE FROM VRU SUCTION SCRUBBERS (V-UC-1225001-01/02) TO VRU COMPRESSORS (C-UC-1225001-01/02) SHALL HAVE HEAT TRACING AND INSULATION PROTECTION. THESE LINES SHALL BE AS SHORT AS POSSIBLE.

15-LEVEL INTERLOCK SIGNAL FROM 1ST STAGE SCRUBBER LSLLL CLOSES SDV-1225003.

16-QUANTITY OF VALVES SHALL BE EVALUATED BY DETAIL DESIGN.

17-THE UNIT OPERATES WITH TWO STAGES AND THERE ARE THREE INLET STREAMS. ONE INLET AT THE FIRST STAGE AND TWO INLET AT THE SECOND STAGE. CAPACITY OF FIRST STAGE: 300000 m³/d. CAPACITY OF SECOND STAGE: 900000 m³/d.

18-BDV TYPICAL 1 - GENERAL NOTES .

19-INFORMATION AVAILABLE BOTH SOS HMI AND FLOW METERING SYSTEM.

20-CANCELLED.

21-ABBREVIATIONS: SOS - SUPERVISION AND OPERATION SYSTEM  
HMI - HUMAN - MACHINE INTERFACE

22-TO THE SECOND STAGE SUCTION UPSTREAM "VRU - 2ND STAGE COOLER"  
(P-UC-1225001-02).

23-TO THE SECOND STAGE SUCTION DOWNSTREAM "VRU - 2ND STAGE COOLER"  
(P-UC-1225001-02) AND UPSTREAM "VRU - 2ND STAGE SCRUBBER" (V-UC-1225001-02).

24-THIS SIGNAL TO BDV-1225001 IS INPUT FOR "AND-LOGIC BLOCK" OF THE BDV TYPICAL 1 - GENERAL NOTES, SUBSTITUTING ESD2 BLOCK

25-PRESSURE INTERLOCK SIGNALS FROM 1ST STAGE OR 2ND STAGE SCRUBBERS PSHH CLOSE SDV-1223074.

REV.	DESCRIPTION	DATE	EXEC.	CHECK	APPROV.

FILE: SmartPlant P&ID / V 4.03 / I-DE-3010.90-1225-944-PPC-001.pid

CLIENT:

JOB:

AREA:

TITLE:

PIPING AND INSTRUMENT DIAGRAM  
VAPOR RECOVERY UNIT

DESIGN	EXEC.	CHECK	APPROV.
SCALE	NO SCALE	A1: 841x594mm	IN-2000-08-001
DATE	No.	I-DE-3010.90-1225-944-PPC-001	

01 of 01