



- 11-56 LP DECOMPOSER
- 11-22 Vacuum Preconcentrator
- 11-07 Carbamate Mix and Condenser Section
- 00-19 Low Pressure Steam and Condensate Distribution
- Close Drain
- Urea Blow Down Network
- 00-17 Chemical Water Distribution
- 11-39 Flushing Condensate Distribution Cooler and Pumps
- 11-17 Medium Low Pressure Saturated Steam Distribution

REFERENCE DRAWING	DWG. NO.
SYMBOLS AND IDENTIFICATIONS	1208-01-PR-PID-051-01

- NOTES:
- PROVIDE TWO PHASE FLOW REINFORCED SUPPORT.
 - FOR SAMPLE CONNECTION DETAILS AND PIPING ARRANGEMENT REFER TO P&ID 1208-11-PR-PID-080 AND 1208-11-PR-PID-081.
 - DRIP RING SPARE PLUG SHALL BE SEAL WELDED.
 - LIC-1022 OUTPUT SHALL BE FORCED TO 0% IN CASE OF 11-1101 ACTIVATION.

- GENERAL NOTES:
- FOR SYMBOLS AND OTHER DETAILS PLEASE REFER TO PID 1208-01-PR-PID-051.
 - FOR ALL "CD" LINES THE FLANGES ARE TO BE LOCATED AT MINIMUM DISTANCE FROM GRADE. ALL "CD" LINES SHALL HAVE SLOPE TO ENSURE FREE DRAINING TOWARDS 11-TK-104 TANK.
 - SAFETY AND CONTROL VALVE IN/OUT LINES AND RELATED BYPASS LINE SIZE TO BE VERIFIED DURING ENGINEERING PHASE, AFTER CONTROL VALVES AND SAFETY VALVES SELECTION.
 - MFR CONTRACTOR
 - WHERE IT'S INDICATED "MIN" OR "MINIMUM DISTANCE" THE LENGTH OF THE INTERESTED PIPE TO BE KEPT AS SHORT AS POSSIBLE (ABOUT ONE HUNDRED MILLIMETERS) IN ORDER TO PREVENT DEAD ZONE.
 - FOR THE DESCRIPTION OF ATTRIBUTES OF HYDRAULIC CONSTRAINTS OF LINES (SELF DRAINING, SLOPE, GRAVITY FLOW, ETC.) REFER TO DOC. "GENERAL REQUIREMENTS FOR PIPING" WHERE SPECIFIC REQUIREMENTS ARE INDICATED THAT PIPING SHALL FOLLOW. NO EXCEPTIONS ARE ALLOWED.
 - ALL DRIP RINGS MUST BE INSTALLED TO HAVE THE RELEVANT TAPPING IN THE BOTTOM PART (THE LOWEST POINT). NO EXCEPTIONS ARE ALLOWED.
 - ALL CHECK VALVES HAVE TO BE INSTALLED IN VERTICAL POSITION, UNLESS VENDOR DIFFERENT INDICATIONS.
 - MECHANIZATION OF PIPING AND INSTRUMENTATION HAS BEEN PERFORMED ACCORDING WITH LICENSOR'S STANDARDS AS MINIMUM REQUIREMENT AND IT SHALL BE COMPLETED BY ENGINEERING CONTRACTOR.
 - ALL INSTRUMENT IN THIS PAGE HAVE PREFIX NO. OF 11. FOR EXAMPLE 11-PT-1031.
 - FOR STEAM AND CONDENSATE LINES CONTINUATION REFER TO DWG.: 1208-01-PR-UDD-051.
 - FOR CHEMICAL DRAINAGE CONTINUATION REFER TO DWG.: 1208-01-PR-UDD-056.
 - FOR CLOSE DRAINAGE CONTINUATION REFER TO DWG.: 1208-01-PR-UDD-057.
 - FOR UREA BLOW DOWN NETWORK REFER TO DWG.: 1208-01-SA-UDD-003.

HOLD
 - DELETED
 - DELETED

EQUIPMENT LIST			
11-L-103	11-E-103	11-V-103	11-V-124

LICENSOR REF. : P51			
DE	EXT	AFC	A
Eng. Phase	Purpose of Distribution (POD)	Purpose of Issue (POI)	Owner's Action

REV.	DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY	PROJECT
03	26.08.2023	APPROVED FOR CONSTRUCTION	M.Fahrasi	A.Azma	A.Azma	M.Sarani
02	19.11.2022	APPROVED FOR CONSTRUCTION (WITH HOLD)	M.Fahrasi	M.Yazdani	A.Azma	M.Sarani
01	12.06.2018	APPROVED FOR CONSTRUCTION (WITH HOLD)	M.Yazdani	A.Azma	A.Azma	M.Sarani
00	13.03.2017	ISSUED FOR ENGINEERING	F.Mizani	A.Habibi	A.Azma	M.Sarani

OWNER:

MC:

EPCC CONTRACTOR:

PROJECT: HENGAM FERTILIZER PROJECT

TITLE: PIPING AND INSTRUMENTATION DIAGRAM
LOW PRESSURE SECTION 1 of 3

SCALE: N.T.S	OWNER PROJECT NO.: NA	DWG. NO.:	REV.:	SIZE:
DATE: 1 OF 1	PIDEK PROJECT NO.: 1208	1208-11-PR-PID-061	03	A1

11-V-103	11-E-103	11-L-103	11-V-124
L.P. DECOMPOSER SEPARATOR	L.P. DECOMPOSER	L.P. DECOMPOSER HOLDER	11-E-103 STEAM CONDENSATE SEPARATOR
I.D. x T.L.TL : 2000 x 3940 mm	SHELL LENGTH : 5000 mm	I.D. x T.L.TL : 1100 x 1200 mm	I.D. x T.L.TL : 1300 x 1800 mm
DESIGN PRESS. : 7 barg	SHELL I.D. : 1850 mm	DESIGN PRESS. : 7 barg	DESIGN PRESS. : 8/F.V. barg
DESIGN TEMP. : 180°C	DESIGN PRESS. S/T : 8 & F.V./7 barg	DESIGN TEMP. : 180°C	DESIGN TEMP. : 190°C
INSULATION : YES	DESIGN TEMP. S/T : 190/180°C	INSULATION : YES	INSULATION : YES
	INSULATION : YES	TRIM LINE NO. : 11-UP11172-B42U-ST	TRIM LINE NO. : 11-LC11076-B24-H