



- NOTES**
- NOTE 1: LT & LG ARE MAGNETIC TYPE.
 - NOTE 2: TEMP. TRANSMITTER TO BE LOCATED AS FAR AS POSSIBLE FROM ECONOMIZER
 - NOTE 3: OIL RECOVERY NOZZLE.
 - NOTE 4: NITROGEN FILL OR PURGE/DRAIN.
 - NOTE 5: SUCTION THROTTLE VALVE LOCATED AT HIGH POINT.

Symbol and legend shall be added also project symbol and legend shall be followed
 Connection, equipment and line which shall be insulated shall be schematically shown on all lines
 Please specify location of electrical tracing
 Project P&ID STANDARD AND TYPICAL SYMBOLOGY shall be followed
 General comment:
 Package will be installed on the ground so free draining to BDG/BDL header is not possible, please add pot
 General Comments:
 1- Project legend for PID shall be fully followed.
 2- line number and finishing shall be dedicated for all stream lines.
 3- Since stream type and legend are not clear, line up and stream follow up will be checked in next revision.
 4- Block and bleed valve shall be considered for all pressure instrument devices.
 5- All hold items shall be finalized.

CLIENT: MC: CONTRACTOR:

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PROJECT TITLE:
**DEHDASHT PETROCHEMICAL INDUSTRY COMPANY
 DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT**

DRAWING TITLE:
PIPING AND INSTRUMENT DIAGRAM (P&ID)

DOCUMENT No: **DPIC9812-000-VD-1002-ME-PID-0010** SC: **A1**

Proj. Code	Area No.	VD	PO No.	Disc. Code	Doc. Type	Serial No.	Rev. Sheet No.
DPIC9812	000	VD	1002	ME	PID	0010	D0 1 OF 3

PURCHASER'S COMMENT/APPROVAL STATUS
 1. AP: Approved (Released for Manufacturing)
 2. AN: Approved With Minor Comments (Fabrication may Proceed)
 3. NF: Approved With Comments (Fabrication not Proceeded)
 4. R: Rejected
 5. NR: Not to be Returned
 Date: **04.12.2021** Signature: **A.AB**

REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D

KASRAVAND CO.

Design temperature of both sides shall be saturate temperature corresponding to design pressure which is equal to 125C+10C. Please recheck.

Please specify these items.

Equipment	Dimensions	Design Temp.	Material
D-PK6101-2 RECEIVED DRUM	WIDTH X HEIGHT : 1500 X 6000 mm VOLUME : 11.5 m ³	DESIGN PRESS. : 23 barg DESIGN TEMP. : 120 °C	MATERIAL : C.S.
D-PK6101-3 K.O. DRUM	WIDTH X HEIGHT : ? X ? mm VOLUME : ? m ³	DESIGN PRESS. : 23 barg DESIGN TEMP. : -45/120 °C	MATERIAL : C.S.
E-PK6101-2 CONDENSER	TEMA TYPE : BEM S.L.ID X TUB.L : 1180 X 6000 mm DUTY : 2942 kW	DESIGN PRESS. (S/T) : 23/23 barg DESIGN TEMP. (S/T) : 120/120 °C	MATERIAL (S/T) : C.S./C.S.
E-PK6101-3 HEXANE CHILLER	TEMA TYPE : BKU S.L.ID X TUB.L : 1150/1676 X 4200 mm DUTY : 1924.5 kW	DESIGN PRESS. (S/T) : 23/23 barg DESIGN TEMP. (S/T) : 120/120 °C	MATERIAL (S/T) : C.S./C.S.
E-PK6101-4 PROPYLENE FILTER/DRYER	TEMA TYPE : MOLECULAR SIEVE WIDTH X HEIGHT : 114 X 314 mm	DESIGN PRESS. (S/T) : 23.0 barg DESIGN TEMP. (S/T) : 120 °C	MATERIAL (B/I) : C.S./C.S.

190C

Design temperature of both sides shall be saturate temperature corresponding to design pressure which is equal to 125C+10C. Please recheck.

E-pk-6101-4 data to be added.

based on note 2 condenser data sheet A
 PRESSURE CONTROL ON THE CONDENSER IS SUGGESTED (BY MEANS OF CWS FLOWRATE CONTROL)

General comment:
 -Scope of lines between vendor and client shall be specified in the PID.
 -Client part line no. shall be shown in the PID (it means that two line number shall be considered one of them for client part and another for vendor side)

General comment:
 -Tie in list shall be added in the PID
 -Finishing of all lines shall be specified
 -Pipe class of lines inside package shall be compatible with lines connected to package
 -Flange shall be considered for all tie in
 -Size of all items (such as reducer,...) shall be specified in the PIDs
 -Fluid symbol legend shall be followed by vendor (fluid code,...)
 -CL for all line break shall be considered
 -Direction to be checked.

All flare Tie-ins in Vendor PID shall have size & all process condition and composition.

General comment:
 -All lines inside package vendor shall be revised as per below:
 size-fluid code-serial noPK- class -finishing

1 nozzle based on submitted data sheet.

PSV sizes shall be frozen after final data sheet

Control Valve sized and relevant, Block & Bypass will be finalized after receiving relevant DSH

according to PFD this H.Ex. shall be Kettle type.

Function is not clear

Free draining towards flare header shall be added for all the flare lines.

Double PSV to be considered based on Project PID.
 Finishing for flare lines shall be determined according to project symbol and legend.
 Figure of reducer shall be modified.
 Control valve by pass to be considered.
 M1= 18" M2= 6" shall be modified the size and location accordance with K.O. drum DS.

Color	Width
RED	0.10
YEL	0.20
GRN	0.30
CYA	0.40
BLU	0.50
MAG	0.60
WHY	0.20
	0.10
	0.10
	0.10
	0.10

