



REFERENCES DOCUMENT

NOTES

- 1) One compressor unit is for standby.
- 2) Compressor model : PPN320LUD-ME

SPECIFICATION

Compressor Duty:
BHP = 912 kW

Heat Exchanger Duty:
E-6101 = 1688 kW
E-PK6101-1A/B = 208 kW
E-PK6101-2 = 2627 kW
E-PK6101-3 = 506 kW

LEGEND

| | | | |
|-------------|--------|-----------------|--|
| CLIENT: | MC | CONTRACTOR: | |
|-------------|--------|-----------------|--|

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

DRAWING TITLE:
PROCESS FLOW DIAGRAM (PFD)

DOCUMENT No.: DPIC9812-000-VD-1002-ME-PFD-0011
SC. SIZE: A1

| Proj. Code | Area No. | VD | Material Code | PD No. | Disc. Code | Doc. Type | Serial No. | Rev. | Sheet No. |
|------------|----------|----|---------------|--------|------------|-----------|------------|------|-----------|
| DPIC9812 | 000 | VD | 1002 | 4150 | ME | PFD | 0011 | D2 | 1 OF 1 |

PURCHASER'S COMMENT/APPROVAL STATUS

| | |
|---|--|
| 1. AP: Approved (Released for Manufacturing) | PURCHASER: |
| 2. AN: Approved With Minor Comments (Fabrication may Proceed) | REQUISITION NO.: DPIC98-12-001-000-ME-MR- |
| 3. NF: Approved With Comments (Fabrication not Proceed) | ITEM NO. (TAG NO.): PK-6101 |
| 4. RJ: Rejected | VENDOR DOC. NO.: DPIC98-000-VD-1002-ME-PFD-0011-02 |
| 5. NR: Not to be Returned | |

Date: XX.XX.XX Signature:

| Color | Width | STREAM NO. | UNIT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|-------|-------|------------|-------|------------------|--------------------|----------------------|-----------------------|-------------------|------------|---------------|-------------------|--------------------|---------------|------------|---------------|----------------------|
| RED | 0.10 | DESC. | | PRY GAS TO COMP. | PRY GAS FROM COMP. | CONDENSATE PROPYLENE | REFRIGERATE PROPYLENE | RECYCLE PROPYLENE | HOT HEXANE | COOLED HEXANE | PROPYLENE TO ECO. | ECO. FLOW TO COMP. | SEPARATED OIL | COOLED OIL | OIL TO FILTER | COMPRESSOR DISCHARGE |
| YEL | 0.20 | TEMP. | °C | -25.0 | 80.3 | 48.4 | -24.0 | -25.0 | -16.0 | -20.0 | 12.4 | 15.0 | 80.3 | 50.0 | 50.0 | 80.3 |
| GRN | 0.30 | PRESS. | bara | 2.56 | 19.9 | 19.8 | 2.62 | 2.61 | 6.91 | 6.41 | 8.3 | 8.2 | 19.9 | 19.8 | 22.3 | 20.0 |
| CYA | 0.40 | C3= FLOW | kg/h | 19500 | 26500 | 26500 | 19500 | 19500 | 748000 | 748000 | 7000 | 7000 | - | - | - | 26500 |
| BLU | 0.50 | OIL FLOW | LPM | - | - | - | - | - | - | - | - | - | 240 | 240 | 240 | 240 |
| MAG | 0.60 | DENSITY | kg/m³ | 5.58 | 35.7 | 467 | 24.0 | 5.8 | 703 | 707 | 56.2 | 17.1 | 870 | 880 | 880 | - |
| WHF | 0.70 | V.F. | | 1.0 | 1.0 | 0.0 | 0.24 | 1.0 | 0.0 | 0.0 | 0.28 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0/1.0 |
| B | 0.10 | | | | | | | | | | | | | | | |
| 9 | 0.10 | | | | | | | | | | | | | | | |
| 11 | 0.10 | | | | | | | | | | | | | | | |
| 30 | 0.10 | | | | | | | | | | | | | | | |
| 40 | 0.10 | | | | | | | | | | | | | | | |
| 54 | 0.10 | | | | | | | | | | | | | | | |
| 60 | 0.10 | | | | | | | | | | | | | | | |
| 100 | 0.10 | | | | | | | | | | | | | | | |
| 112 | 0.10 | | | | | | | | | | | | | | | |
| 140 | 0.10 | | | | | | | | | | | | | | | |
| 200 | 0.10 | | | | | | | | | | | | | | | |

| REV. | DATE | DESCRIPTION | PREP'D | CHK'D | APP'D |
|------|------|-------------|--------|-------|-------|
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