


EL:
According to the project specification for MV motors, Winding RTD shall be considered for all MV motors.
Also, it shall be clarified Winding RTDs are transmitted to MCC or UCP.

I/O List

Vendor Reply 03.11.2025: Windings temp. will be transmitted directly to MCC

| | | |
|--|---|--|
| | <input type="checkbox"/> | (Applicable Only for "FOR REVIEW" and "For Approval" Documents) No comment and the document are released for Manufacturing. |
| Code2 | <input type="checkbox"/> | No Comment/ Approved with Note(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for Manufacturing if changes incorporated. |
| Code3 | <input checked="" type="checkbox"/> | Commented Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be revised under the Status of "R: Revised Issue". All corrected documents shall be resubmitted before starting the Manufacturing Process. |
| Code 4 | <input type="checkbox"/> | Not Accepted (Rejected) Vendor/Sub-Contractor shall re-work / re-design / re-specify the contents of the document according to the comments / reasons for rejection. All corrected documents shall be resubmitted before starting the manufacturing. Vendor/Sub-Contractor shall not proceed with subsequent works of Material Supply or Manufacturing until receiving Code1/Code2 or No Code from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same revision within 6 working days after receiving comments. |
| No code | <input type="checkbox"/> | No Code (Applicable Only for "For Information" Documents and "As Built DWGs") Document has been submitted for PURCHASER's Information (FI). Consistency, completeness and correctness of document content is in Vendor/Sub-Contractor's responsibility. |
| Above checking results by EIED shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing. | | |
|  Energy Industries Engineering & Design co. | Date: Jul. 22, 2025 Dept.: MA Signature: F.Hamooni | |

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| 00 | 8-Jul-25 | IFR | A.M | F.T | A.M |
| Rev. | DATE | PURPOSE OF ISSUE | PREPARED | CHECKED | APPROVED |



Document No.:

VD-GPIC-MA-3029-0045

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| NO. | BY | APP | DATE | P.O.I |
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I/O List

FOR PROJECT
P.O No.
SITE
SERVICE

Gachsaran Polymer Industries Company (GPIC)
HDPE
GPIC DD MA REQ 000 3029
Propylene Refrigeration Package

ITEM: PK-6101

| TAG | SERVICE | PID DWG No. | TYPE | FROM | TO | DESCRIPTION | Engineering units | LOCATION | JB No. | SIGNAL CATEGORY | SIGNAL | RELAY OUTPUT | POWER SUPPLY | TYPE | SERIAL | IS/NIS | RACK | SLOT | CHANNEL |
|----------------------------|-----------|----------------------|------|----------|-------------|---|-------------------|--------------|-------------|-----------------|-------------|--------------|--------------|------|--------|--------|------|------|---------|
| Card Type: Digital IN/ 32 | | | | | | | | | | | | | | | | | | | |
| Card Type: Digital OUT/ 32 | | | | | | | | | | | | | | | | | | | |
| TAG | | | | | | DESCRIPTION | | LOCATION | JB No. | SIGNAL CATEGORY | SIGNAL TYPE | RELAY OUTPUT | POWER SUPPLY | | | | RACK | SLOT | CHANNEL |
| ML-6101A01 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | LCP-6101A | COMPRESSOR -A- RUNNING | | COMP SKID | LCP-6101A | DO | 24VDC | WET CONTACT | PW400 | H | | NIS | 2 | 5 | 0 |
| MF-6101A02 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | LCP-6101A | COMPRESSOR -A- AVAILABLE/FAULT | | COMP SKID | LCP-6101A | DO | 24VDC | WET CONTACT | PW400 | H | | NIS | 2 | 5 | 1 |
| ML-6101B01 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | LCP-6101B | COMPRESSOR -B- RUNNING | | COMP SKID | LCP-6101A | DO | 24VDC | WET CONTACT | PW400 | H | | NIS | 2 | 5 | 2 |
| MF-6101B02 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | LCP-6101B | COMPRESSOR -B- AVAILABLE/FAULT | | COMP SKID | LCP-6101A | DO | 24VDC | WET CONTACT | PW400 | H | | NIS | 2 | 5 | 3 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW401 | | | | 2 | 5 | 4 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW402 | | | | 2 | 5 | 5 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW403 | | | | 2 | 5 | 6 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW404 | | | | 2 | 5 | 7 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW405 | | | | 2 | 5 | 8 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW406 | | | | 2 | 5 | 9 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 5 | 10 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 5 | 11 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 5 | 12 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 5 | 13 |
| MSP-6101A01-U | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | MCC | COMPRESSOR -A- START | | PLC / MCC | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | | NIS | 2 | 5 | 14 |
| MST-6101A01-U | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | MCC | COMPRESSOR -A- STOP | | PLC / MCC | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | | NIS | 2 | 5 | 15 |
| MSP-6101B21-U | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | MCC | COMPRESSOR -B- START | | PLC / MCC | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | | NIS | 2 | 5 | 16 |
| MST-6101B21-U | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | MCC | COMPRESSOR -B- STOP | | PLC / MCC | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | | NIS | 2 | 5 | 17 |
| MSP-6101B32-U | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | MCC | P1A MOTOR START COMMAND | | PLC / MCC | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | | NIS | 2 | 5 | 18 |
| MST-6101B32-U | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | MCC | P1A MOTOR STOP COMMAND | | PLC / MCC | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | | NIS | 2 | 5 | 19 |
| MSP-6101B33-U | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | MCC | P1B MOTOR START COMMAND | | PLC / MCC | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | | NIS | 2 | 5 | 20 |
| MST-6101B33-U | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | MCC | P1B MOTOR STOP COMMAND | | PLC / MCC | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | | NIS | 2 | 5 | 21 |
| MSP-6101B31-U | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | MCC | OIL HEATER START COMMAND | | PLC / MCC | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | | NIS | 2 | 5 | 22 |
| MST-6101B31-U | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | MCC | OIL HEATER STOP COMMAND | | PLC / MCC | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | | NIS | 2 | 5 | 23 |
| XA-611B95 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | UCP-6101 | ENCLOSURE FANS ON/OFF - 1 | | UCP-6101 | UCP-6101 | DO | 24VDC | WET CONTACT | PW400 | H | | NIS | 2 | 5 | 24 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 5 | 25 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 5 | 26 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 5 | 27 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 5 | 28 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 5 | 29 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 5 | 30 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 5 | 31 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 5 | 32 |
| Card Type: Digital OUT/ 16 | | | | | | | | | | | | | | | | | | | |
| TAG | | | | | | DESCRIPTION | | LOCATION | JB No. | SIGNAL CATEGORY | SIGNAL | RELAY OUTPUT | POWER SUPPLY | | | | RACK | SLOT | CHANNEL |
| XY-611B11 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | JB-6101-03A | COMPRESSOR -A- SLIDE VALVE UNLOAD SOV | | COMP SKID | JB-6101-03A | DO | 24VDC | WET CONTACT | PW400 | H | | NIS | 2 | 6 | 0 |
| XY-611B12 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | JB-6101-03A | COMPRESSOR -A- SLIDE VALVE LOAD SOV | | COMP SKID | JB-6101-03A | DO | 24VDC | WET CONTACT | PW400 | H | | NIS | 2 | 6 | 1 |
| XY-611B21 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | JB-6101-03B | COMPRESSOR -B- SLIDE VALVE UNLOAD SOV | | COMP SKID | JB-6101-03B | DO | 24VDC | WET CONTACT | PW400 | H | | NIS | 2 | 6 | 2 |
| XY-611B22 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | JB-6101-03B | COMPRESSOR -B- SLIDE VALVE LOAD SOV | | COMP SKID | JB-6101-03B | DO | 24VDC | WET CONTACT | PW400 | H | | NIS | 2 | 6 | 3 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 6 | 4 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 6 | 5 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 6 | 6 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 6 | 7 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW401 | | | | 2 | 6 | 8 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW402 | | | | 2 | 6 | 9 |
| UA-611B11 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | DCS | COMPRESSOR -A- TRIP COMPRESSOR | | UCP-6101 | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | S | NIS | 2 | 6 | 10 |
| UA-611B11 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | DCS | COMMON -A- ALARM COMPRESSOR | | UCP-6101 | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | S | NIS | 2 | 6 | 11 |
| UA-611B12 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | DCS | COMPRESSOR -B- TRIP COMPRESSOR | | UCP-6101 | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | S | NIS | 2 | 6 | 12 |
| UA-611B13 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | DCS | COMMON -B- ALARM COMPRESSOR | | UCP-6101 | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | S | NIS | 2 | 6 | 13 |
| UA-611B99 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | DCS | PLC FAULT | | UCP-6101 | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | S | NIS | 2 | 6 | 14 |
| UA-611B14 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | DCS | INTERLOCK ACTIVATED | | UCP-6101 | UCP-6101 | DO | 24VDC | DRY CONTACT | PW400 | H | S | NIS | 2 | 6 | 15 |
| Card Type: Digital OUT/ 16 | | | | | | | | | | | | | | | | | | | |
| TAG | | | | | | DESCRIPTION | | LOCATION | JB No. | SIGNAL CATEGORY | SIGNAL | RELAY OUTPUT | POWER SUPPLY | | | | RACK | SLOT | CHANNEL |
| XY-611B51 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | FIELD | OIL RECOVERY VALVE SOV - CHILLER RECOVERY | | VESSELS SKID | JB-6101-04 | DO | 24VDC | WET CONTACT | PW400 | H | IS | NIS | 2 | 7 | 0 |
| XY-611B52 | Propylene | VD-GPIC-MA-3029-0015 | BOOL | UCP-6101 | FIELD | OIL RECOVERY VALVE SOV - COMPRESSOR DISCHARGE | | VESSELS SKID | JB-6101-04 | DO | 24VDC | WET CONTACT | PW400 | H | IS | NIS | 2 | 7 | 1 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW399 | | | | 2 | 7 | 2 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 3 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 4 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 5 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 6 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 7 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 8 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 9 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 10 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 11 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 12 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 13 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 14 |
| | | | | | | SPARE | | | | DO | 24VDC | | PW400 | | | | 2 | 7 | 15 |

JB-UEV-611/12...

Vendor Reply 03.11.2025:
Noted and will be revised.

JB-UEV-611/12...

Vendor Reply 03.11.2025:
Noted and will be revised.

IN-04. On/off valves shall
be EExd (NIS)

Vendor Reply 03.11.2025:
Noted and will be corrected.

ULT003 - PLC I/O LIST
COUNT IS PER UNIT

- AI : Analog Input
- AD : Analog Input
- H : Hardware
- S : Serial
- DI : Digital Input
- DO : Digital Output
- DCS : Data Control Center
- MCC : Motor Control Center
- UCP-6101 : Unit Control Panel
- LCP : Local Control Station
- PLC : Programmable Logic Controller

This I/O List is a document containing list of instrumentation which serve as input or output of control system.



Document No.:

VD-GPIC-MA-3029-0045

| NO. | BY | APP | DATE |
|-----|-----|-----|------------|
| 00 | FAD | IMA | 09/07/2025 |

| P.O.I |
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| IER |

I/O List

FOR PROJECT
P.O No.
SITE SERVICE

Gachsaran Polymer Industries Company (GPIC)
HDPE
GPIC DD MA REQ 000 3029
Propylene Refrigeration Package

ITEM: PK-6101

JB-UIA-611/12...

Vendor Reply 03.11.2025:
Noted and will be revised.

| TAG | SERVICE | PID DWG No. | TYPE | FROM | TO | DESCRIPTION | Engineering units | LOCATION | JB No. | SIGNAL CATEGORY | SIGNAL TYPE | RELAY OUTPU | POWER SUPPLY | RACK | SLOT | CHANNEL | | | | |
|---------------------------|-----------|----------------------|------------|----------|----------|---------------------------------------|-------------------|-----------|---------------|-----------------|-------------|-------------|--------------|-------|------|---------|----|----|----|---|
| Card Type: Digital IN/ 32 | | | | | | | | | | | | | | | | | | | | |
| Card Type: Analog IN/ 8 | | | | | | | | | | | | | | | | | | | | |
| TAG | | | | | | DESCRIPTION | | LOCATION | JB No. | SIGNAL CATEGORY | SIGNAL TYPE | RELAY OUTPU | POWER SUPPLY | RACK | SLOT | CHANNEL | | | | |
| PIT-611832 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COALESCER ELEMENT OUTLET PRESSURE | Bar | COMP SKID | JB-6101-02A | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 8 | 0 | |
| PIT-611833 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | OIL FILTER SUPPLY PRESSURE | Bar | COMP SKID | JB-6101-02A | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 8 | 1 | |
| PIT-611813 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR -A- OIL SUPPLY PRESSURE | Bar | COMP SKID | JB-6101-02A | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 8 | 2 | |
| PIT-611811 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR -A- SUCTION PRESSURE | Bar | COMP SKID | JB-6101-02A | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 8 | 3 | |
| PIT-611812 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR -A- DISCHARGE PRESSURE | Bar | COMP SKID | JB-6101-02A | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 8 | 4 | |
| TIT-611812 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | OIL SEPARATOR TEMPERATURE | | C | COMP SKID | JB-6101-02 | AI | 4-20mA | - | PW401 | H | S | IS | 2 | 8 | 5 |
| TIT-611811 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR -A-SUCTION TEMPERATURE | | C | COMP SKID | JB-6101-02 | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 8 | 7 |
| Card Type: Analog IN/ 8 | | | | | | | | | | | | | | | | | | | | |
| TAG | | | | | | DESCRIPTION | | LOCATION | JB No. | SIGNAL CATEGORY | SIGNAL TYPE | RELAY OUTPU | POWER SUPPLY | RACK | SLOT | CHANNEL | | | | |
| PIT-611831 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | SPARE | | | | AI | 4-20mA | - | PW398 | | | | | | | |
| PIT-611823 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMMON DISCHARGE PRESSURE | Bar | COMP SKID | JB-6101-02A | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 9 | 1 | |
| PIT-611821 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR -B- OIL SUPPLY PRESSURE | Bar | COMP SKID | JB-6101-02B | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 9 | 2 | |
| PIT-611822 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR -B- SUCTION PRESSURE | Bar | COMP SKID | JB-6101-02B | AI | 4-20mA | - | PW401 | H | S | IS | 2 | 9 | 3 | |
| | | | | | | COMPRESSOR -B- DISCHARGE PRESSURE | Bar | COMP SKID | JB-6101-02B | AI | 4-20mA | - | PW402 | H | S | IS | 2 | 9 | 4 | |
| | | | | | | SPARE | | | | AI | 4-20mA | - | PW403 | | | | | | | |
| | | | | | | SPARE | | | | AI | 4-20mA | - | PW404 | | | | | | | |
| TIT-611821 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR -A-SUCTION TEMPERATURE | | C | COMP SKID | JB-6101-02B | AI | 4-20mA | - | PW405 | H | S | IS | 2 | 9 | 6 |
| Card Type: Analog IN/ 8 | | | | | | | | | | | | | | | | | | | | |
| TAG | | | | | | DESCRIPTION | | LOCATION | JB No. | SIGNAL CATEGORY | SIGNAL TYPE | RELAY OUTPU | POWER SUPPLY | RACK | SLOT | CHANNEL | | | | |
| TIT-611832 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR DISCHARGE TEMPERATURE | | C | COMP SKID | JB-6101-02 | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 10 | 0 |
| TIT-611833 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | OIL SUPPLY TEMPERATURE | | C | COMP SKID | JB-6101-02 | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 10 | 1 |
| VIT-611811 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR -A- CASING VIBRATION | | G | COMP SKID | JB-6101-02 | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 10 | 2 |
| VIT-611821 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR -B- CASING VIBRATION | | G | COMP SKID | JB-6101-02 | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 10 | 3 |
| LIT-611831 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | OIL SEPARATOR LEVEL | % | COMP SKID | JB-6101-02 | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 10 | 4 | |
| | | | | | | SPARE | | | | AI | 4-20mA | - | PW401 | | | | | | | |
| ZT-611811 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR -A- SLIDE VALVE POSITION | | % | COMP SKID | JB-6101-02 | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 10 | 6 |
| ZT-611821 | Propylene | VD-GPIC-MA-3029-0016 | FLOAT/REAL | FIELD | UCP-6102 | COMPRESSOR -B- SLIDE VALVE POSITION | | % | COMP SKID | JB-6101-03 | AI | 4-20mA | - | PW401 | H | S | IS | 2 | 10 | 7 |
| Card Type: Analog IN/ 8 | | | | | | | | | | | | | | | | | | | | |
| TAG | | | | | | DESCRIPTION | | LOCATION | JB No. | SIGNAL CATEGORY | SIGNAL TYPE | RELAY OUTPU | POWER SUPPLY | RACK | SLOT | CHANNEL | | | | |
| TIT-611852 | Propylene | VD-GPIC-MA-3029-0014 | FLOAT/REAL | FIELD | UCP-6100 | CHILLER TUBE OUTLET TEMPERATURE | | % | VESSLS SKID | JB-6101-04 | AI | 4-20mA | - | PW399 | H | S | IS | 2 | 11 | 0 |
| LIT-611851 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | CHILLER LEVEL | | % | VESSLS SKID | JB-6101-04 | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 11 | 1 |
| | | | | | | SPARE | | | | AI | 4-20mA | - | PW401 | | | | | | | |
| PIT-611841 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | ECONOMIZER TUBESIDE PRESSURE | Bar | COMP SKID | JB-6101-04 | AI | 4-20mA | - | PW402 | H | S | IS | 2 | 11 | 3 | |
| TIT-611841 | Propylene | VD-GPIC-MA-3029-0016 | FLOAT/REAL | FIELD | UCP-6102 | ECONOMIZER TUBESIDE TEMPERATURE | Bar | COMP SKID | JB-6101-04 | AI | 4-20mA | - | PW403 | H | S | IS | 2 | 11 | 4 | |
| TT-611890 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | PLC | UNIT CONTROL PANEL TEMPERATURE | | C | UCP-6101 | AI | 4-20mA | - | PW400 | H | S | NIS | 2 | 11 | 5 | |
| | | | | | | SPARE | | | | AI | 4-20mA | - | PW400 | | | | | | | |
| | | | | | | SPARE | | | | AI | 4-20mA | - | PW400 | | | | | | | |
| Card Type: Analog IN/ 8 | | | | | | | | | | | | | | | | | | | | |
| TAG | | | | | | DESCRIPTION | | LOCATION | JB No. | SIGNAL CATEGORY | SIGNAL TYPE | RELAY OUTPU | POWER SUPPLY | RACK | SLOT | CHANNEL | | | | |
| TE-611818A | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR MOTOR -A- BEARING TEMP DE | | C | COMP -A- SKID | MOTOR JB | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 12 | 0 |
| TE-611818B | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR MOTOR -A- BEARING TEMP NDE | | C | COMP -A- SKID | MOTOR JB | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 12 | 1 |
| TE-611818A | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR MOTOR -A- BEARING TEMP DE | | C | COMP -B- SKID | MOTOR JB | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 12 | 2 |
| TE-611818B | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | FIELD | UCP-6101 | COMPRESSOR MOTOR -A- BEARING TEMP NDE | | C | COMP -B- SKID | MOTOR JB | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 12 | 3 |
| | | | | | | SPARE | | | | AI | 4-20mA | - | PW400 | | | | | | | |
| | | | | | | SPARE | | | | AI | 4-20mA | - | PW400 | | | | | | | |
| IT-611811 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | MCC | UCP-6101 | COMPRESSOR -A- MOTOR CURRENT | | AMPS | MCC | UCP-6101 | AI | 4-20mA | - | PW400 | H | S | IS | 2 | 12 | 5 |
| IT-611821 | Propylene | VD-GPIC-MA-3029-0016 | FLOAT/REAL | MCC | UCP-6102 | COMPRESSOR -B- MOTOR CURRENT | | AMPS | MCC | UCP-6102 | AI | 4-20mA | - | PW401 | H | S | IS | 2 | 12 | 7 |
| Card Type: Analog OUT 4 | | | | | | | | | | | | | | | | | | | | |
| TAG | | | | | | DESCRIPTION | | LOCATION | JB No. | SIGNAL CATEGORY | SIGNAL TYPE | RELAY OUTPU | POWER SUPPLY | RACK | SLOT | CHANNEL | | | | |
| PVI-611851 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | UCP-6101 | FIELD | HOT GAS BYPASS CONTROL VALVE | | % | VESSLS SKID | JB-6101-04 | AO | 4-20 mA | - | - | H | S | IS | 2 | 13 | 0 |
| LVI-611851 | Propylene | VD-GPIC-MA-3029-0015 | FLOAT/REAL | UCP-6101 | FIELD | CHILLER LEVEL CONTROL VALVE | | % | VESSLS SKID | JB-6101-04 | AO | 4-20 mA | - | - | H | S | IS | 2 | 13 | 1 |
| TPVI-611841 | Propylene | VD-GPIC-MA-3029-0016 | FLOAT/REAL | UCP-6102 | FIELD | CHILLER LEVEL CONTROL VALVE | | % | VESSLS SKID | JB-6101-04 | AO | 4-20 mA | - | - | H | S | IS | 2 | 13 | 2 |
| | | | | | | SPARE | | | | AO | 4-20 mA | - | - | | | | | | | |

IN-05. If for some instruments in field which are not loop powered, external power such as 110V AC or 24V DC is required, it shall be clearly specified as a note.

IN-06. Native file (Excel) shall be submitted with PDF file in all the next revisions.

ULT003 - PLC I/O LIST
COUNT IS PER UNIT

- AI: Analog Input
- AO: Analog Output
- H: Hardwire
- S: Serial
- DI: Digital Input
- DO: Digital Output
- DCS: Data Control Center
- MCC: Motor Control Center
- UCP-6101: Unit Control Panel
- LCP: Local Control Station
- PLC: Programmable Logic Controller

This I/O List is a document containing list of instrumentation which serve as input or output of control system.