



Document No.:

VD-GPIC-MA-3029-0045

NO.	BY	APP	DATE	P.O.I
00	FAD	IMA	08/07/2025	IFER

I/O List

FOR PROJECT P.O No. SITE SERVICE

Gachsaran Polymer Industries Company (GPIC) HDPE 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																			
TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL
XA-611899	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	PLC	UPS AC SUPPLY 1 SURGE PROTECTION OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	0
XA-611898	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	PLC	UPS AC SUPPLY 2 SURGE PROTECTION OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	1
XA-611890	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	PLC	LOGIC POWER SUPPLY # 1 OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	2
XA-611891	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	PLC	LOGIC POWER SUPPLY # 2 OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	3
XA-611892	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	PLC	I/O POWER SUPPLY # 1 OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	4
XA-611893	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	PLC	I/O POWER SUPPLY # 2 OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	5
ESD-6118A61	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	PLC	ESD		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	6
						SPARE				DI	24VDC	-	PW400	H					7
ESD-611811	Propylene	VD-GPIC-MA-3029-0015	BOOL	LCP-6101A	UCP-6101	ESD		COMP A SKID	LCP-6101A	DI	24VDC	-	PW400	H		NIS	2	2	8
MSP-6101A01	Propylene	VD-GPIC-MA-3029-0015	BOOL	LCP-6101A	UCP-6101	COMPRESSOR -A- LOCAL START PB		COMP A SKID	LCP-6101A	DI	24VDC	-	PW400	H		NIS	2	2	9
MST-6101A01	Propylene	VD-GPIC-MA-3029-0015	BOOL	LCP-6101A	UCP-6101	COMPRESSOR -A- LOCAL STOP PB		COMP A SKID	LCP-6101A	DI	24VDC	-	PW400	H		NIS	2	2	10
						SPARE													11
						SPARE													12
						SPARE													13
						SPARE													14
						SPARE													15
						SPARE													16
						SPARE													17
						SPARE													18
						SPARE													19
HS-6118	Propylene	VD-GPIC-MA-3029-0015	BOOL	DCS	PLC	ESD		DCS	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	20
						SPARE													21
						SPARE													22
						SPARE													23
						SPARE													24
						SPARE													25
						SPARE													26
						SPARE													27
						SPARE													28
						SPARE													29
						SPARE													30
						SPARE													31
Card Type: Digital IN/ 16																			
TAG						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL
						SPARE				DI	24VDC	-	PW394						0
						SPARE				DI	24VDC	-	PW395						1
						SPARE				DI	24VDC	-	PW396						2
						SPARE				DI	24VDC	-	PW397						3
						SPARE				DI	24VDC	-	PW398						4
						SPARE				DI	24VDC	-	PW399						5
						SPARE				DI	24VDC	-	PW400						6
						SPARE				DI	24VDC	-	PW400						7
ZSH-611811	Propylene	VD-GPIC-MA-3029-0015	BOOL	JB-6101-02A	UCP-6101	COMPRESSOR -A- SLIDE VALVE 100%		COMP -A- SKID	JB-6101-02A	DI	24VDC	-	PW400	H		IS	2	3	8
ZSL-611811	Propylene	VD-GPIC-MA-3029-0015	BOOL	JB-6101-02A	UCP-6101	COMPRESSOR -A- SLIDE VALVE 0%		COMP -A- SKID	JB-6101-02A	DI	24VDC	-	PW400	H		IS	2	3	9
ZSH-611821	Propylene	VD-GPIC-MA-3029-0015	BOOL	JB-6101-02B	UCP-6101	COMPRESSOR -B- SLIDE VALVE 100%		COMP -B- SKID	JB-6101-02B	DI	24VDC	-	PW400	H		IS	2	3	10
ZSL-611821	Propylene	VD-GPIC-MA-3029-0015	BOOL	JB-6101-02B	UCP-6101	COMPRESSOR -B- SLIDE VALVE 0%		COMP -B- SKID	JB-6101-02B	DI	24VDC	-	PW400	H		IS	2	3	11
						SPARE				DI	24VDC	-	PW400						12
ML-6101B01-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	MCC	UCP-6101	COMPRESSOR -B- RUNNING		MCC	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	4	13
MF-6101B02-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	MCC	UCP-6101	COMPRESSOR -B- AVAILABLE/FAULT		MCC	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	4	14
						SPARE				DI	24VDC	-	PW400						15
Card Type: Digital IN/ 16																			
TAG						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL
ML-6101A01-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	MCC	UCP-6101	COMPRESSOR -A- RUNNING		MCC	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	4	0
MF-6101A02-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	MCC	UCP-6101	COMPRESSOR -A- AVAILABLE/FAULT		MCC	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	4	1
ML-6101B31-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	MCC	UCP-6101	OIL HEATER RUNNING		MCC	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	4	2
MF-6101B31-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	MCC	UCP-6102	OIL HEATER AVAILABLE/FAULT		MCC	UCP-6102	DI	24VDC	-	PW400	H		NIS	2	4	3
ML-6101B32-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	MCC	UCP-6101	PUMP P1A RUNNING		MCC	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	4	4
MF-6101B32-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	MCC	UCP-6101	PUMP P1A AVAILABLE		MCC	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	4	5
ML-6101B33-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	MCC	UCP-6101	PUMP P1B RUNNING		MCC	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	4	6
MF-6101B33-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	MCC	UCP-6101	PUMP P1B AVAILABLE		MCC	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	4	7
						SPARE				DI	24VDC	-	PW400	H		NIS	2	4	8
Z	Propylene	VD-GPIC-MA-3029-0015	BOOL	DCS	UCP-6101	EMERGENCY STOP ON S, D, CONSOLE		DCS	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	4	9
						SPARE				DI	24VDC	-	PW400						10
ESD-611821	Propylene	VD-GPIC-MA-3029-0015	BOOL	LCP-6101B	UCP-6101	ESD		COMP -B- SKID	LCP-6101B	DI	24VDC	-	PW400	H		NIS	2	2	11
MSP-6101B21	Propylene	VD-GPIC-MA-3029-0015	BOOL	LCP-6101B	UCP-6101	COMPRESSOR -B- LOCAL START PB		COMP -B- SKID	LCP-6101B	DI	24VDC	-	PW400	H		NIS	2	2	12
MST-6101B21	Propylene	VD-GPIC-MA-3029-0015	BOOL	LCP-6101B	UCP-6101	COMPRESSOR -B- LOCAL STOP PB		COMP -B- SKID	LCP-6101B	DI	24VDC	-	PW400	H		NIS	2	2	13
						SPARE				DI	24VDC	-	PW400						14
						SPARE				DI	24VDC	-	PW400						15

PLC/I/O LIST

COUNTS PER UNIT

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

- 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



Document No.:

VD-GPIC-MA-3029-0045

NO.	BY	APP	DATE	P.O.I
00	FAD	IMA	08/07/2025	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

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	UCP-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
Card Type: Digital OUT/ 16																			
TAG						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL
XV-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
XV-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
XV-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
XV-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- ALRM 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- ALRM 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 TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL
XV-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	2	7	0
XV-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	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

ULT003 - PLC I/O LIST
COUNT IS PER UNIT

- AI : Analog Input
- AO : Analog Output
- 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 IO 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	08/07/2025

P.O.I
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

TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION	Engineering units	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL	RELAY OUTPU	POWER SUPPLY	TYPE	SERIAL	IS/NIS	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		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	6
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		COMP SKID	JB-6101-02A	AI	4-20mA	-	PW398	H	S	IS	2	9	0
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
						SPARE		COMP SKID	JB-6101-02B	AI	4-20mA	-	PW402	H	S	IS	2	9	4
						SPARE		COMP SKID	JB-6101-02B	AI	4-20mA	-	PW403	H	S	IS	2	9	5
						SPARE		COMP SKID	JB-6101-02B	AI	4-20mA	-	PW404	H	S	IS	2	9	6
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	7
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		COMP SKID	JB-6101-02	AI	4-20mA	-	PW401	H	S	IS	2	10	5
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	%	VESSLES 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	%	VESSLES SKID	JB-6101-04	AI	4-20mA	-	PW400	H	S	IS	2	11	1
						SPARE		COMP SKID	JB-6101-04	AI	4-20mA	-	PW401	H	S	IS	2	11	2
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	UCP-6101	AI	4-20mA	-	PW400	H	S	NIS	2	11	5
						SPARE		COMP SKID	JB-6101-04	AI	4-20mA	-	PW400	H	S	IS	2	11	6
						SPARE		COMP SKID	JB-6101-04	AI	4-20mA	-	PW400	H	S	IS	2	11	7
Card Type: Analog OUT 4																			
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		COMP SKID	JB-6101-04	AI	4-20mA	-	PW400	H	S	IS	2	12	4
						SPARE		COMP SKID	JB-6101-04	AI	4-20mA	-	PW400	H	S	IS	2	12	5
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	6
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	%	VESSLES 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	%	VESSLES 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	%	VESSLES SKID	JB-6101-04	AO	4-20 mA	-	-	H	S	IS	2	13	2
						SPARE		COMP SKID	JB-6101-04	AO	4-20 mA	-	-	H	S	IS	2	13	3

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 IO List is a document containing list of instrumentation which serve as input or output of control system.