


	Gachsaran Polymer Industries Company HDPE Plant			
	I/O List for Refrigeration Unit Package			
PO No.: GPIC-PT-MA-PO-000-3029	Document Number: VD-GPIC-MA-3029-3029-0045	Rev. 02	Page 1 of 5	

I/O List for Refrigeration Unit Package

Code1	<input type="checkbox"/> No Comment/ Approved (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.
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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.	
 EIED Energy Industries Engineering & Design co.	Date: Jan.14, 2026 Dept.: MA Signature: F.Hamooni

02	4-Jan-26	IFR	A.M	F.T	A.M
01	3-Nov-25	IFR	A.M	F.T	A.M
00	8-Jul-25	IFR	A.M	F.T	A.M
Rev.	DATE	PURPOSE OF ISSUE	PREPARED	CHECKED	APPROVED



Gachsaran Polymer Industries Company
HDPE Plant

I/O List



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																			STATES		
TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION	Engineering units	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL	CONTACT TYPE	POWER SUPPLY	TYPE	SERIAL	IS/NIS	RACK	SLOT	CHANNEL	STATES'0'	STATES'1'
Card Type: Digital IN/ 16																					
TAG	SERVICE	PID DWG No.				DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL		
XA-61199	Propylene	VD-GPIC-MA-3029-3029-0016	BOOL	UCP-6101	PLC	UPS-AC SUPPLY-1 SURGE PROTECTION OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	0	OFF	ON
XA-61198	Propylene	VD-GPIC-MA-3029-3029-0016	BOOL	UCP-6101	PLC	UPS-AC SUPPLY-2 SURGE PROTECTION OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	1	OFF	ON
XA-61190	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	PLC	LOGIC POWER SUPPLY # 1 OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	2	OFF	ON
XA-61191	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	PLC	LOGIC POWER SUPPLY # 2 OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	3	OFF	ON
XA-61192	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	PLC	I/O POWER SUPPLY # 1 OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	4	OFF	ON
XA-61193	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	PLC	I/O POWER SUPPLY # 2 OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	5	OFF	ON
HS-61161	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	PLC	ESD		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	6		
						SPARE											2	2	7		
HS-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	EMERGENCY STOP PB		COMP-A SKID	LCP-6101A	DI	24VDC	NC	PW400	H		NIS	2	2	8	OFF	ON
HST-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	COMPRESSOR -A- LOCAL START PB		COMP-A SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	2	9	OFF	ON
HSP-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	COMPRESSOR -A- LOCAL STOP PB		COMP-A SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	2	10	OFF	ON
						SPARE											2	2	11		
HST-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101B	UCP-6101	COMPRESSOR -B- LOCAL START PB		COMP-B SKID	LCP-6101B	DI	24VDC	NO	PW400	H		NIS	2	2	12	OFF	ON
HSP-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101B	UCP-6101	COMPRESSOR -B- LOCAL STOP PB		COMP-B SKID	LCP-6101B	DI	24VDC	NO	PW400	H		NIS	2	2	13	OFF	ON
ESD-61010	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	ESD	PLC	ESD		ESD	UCP-6101	DI	24VDC	NC	PW400	H		NIS	2	2	14	OFF	ON
						SPARE											2	2	15		
Card Type: Digital IN/ 16																					
TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL		
HSLR-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	COMPRESSOR -A- LOCAL -REMOTE SELECTOR		COMP-A SKID	LCP-6101A	DI	24VDC	-	PW400	H		NIS	2	3	0	OFF	ON
HSLR-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	UCP-6101	COMPRESSOR -B- LOCAL -REMOTE SELECTOR		COMP-B SKID	LCP-6101B	DI	24VDC	-	PW400	H		NIS	2	3	1	OFF	ON
HS-C6101AL	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	UCP-6101	LAMP TEST ON LCPA		COMP-A SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	3	2	OFF	ON
HS-C6101BL	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101B	UCP-6101	LAMP TEST ON LCPB		COMP-B SKID	LCP-6101B	DI	24VDC	NO	PW400	H		NIS	2	3	3	OFF	ON
						SPARE											2	3	4		
						SPARE											2	3	5		
						SPARE											2	3	6		
						SPARE											2	3	7		
ZSH-61111	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	JB-UIA-611	UCP-6101	COMPRESSOR -A- SLIDE VALVE 100%		COMP-A SKID	JB-UIA-611	DI	24VDC	NO	PW400	H		IS	2	3	8	OFF	ON
ZSL-61111	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	JB-UIA-611	UCP-6101	COMPRESSOR -A- SLIDE VALVE 0%		COMP-A SKID	JB-UIA-611	DI	24VDC	NO	PW400	H		IS	2	3	9	OFF	ON
ZSH-61121	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	JB-UIA-621	UCP-6101	COMPRESSOR -B- SLIDE VALVE 100%		COMP-B SKID	JB-UIA-621	DI	24VDC	NO	PW400	H		IS	2	3	10	OFF	ON
ZSL-61121	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	JB-UIA-621	UCP-6101	COMPRESSOR -B- SLIDE VALVE 0%		COMP-B SKID	JB-UIA-621	DI	24VDC	NO	PW400	H		IS	2	3	11	OFF	ON
						SPARE											2	3	12		
YSLH-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	COMPRESSOR -B- RUNNING		MCC	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	3	13	OFF	ON
YSLF-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	COMPRESSOR -B- FAULT		MCC	UCP-6101	DI	24VDC	NC	PW400	H		NIS	2	3	14	OFF	ON
						SPARE											2	3	15		
Card Type: Digital IN/ 16																					
TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL		
YSLH-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	COMPRESSOR -A- RUNNING		MCC	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	4	0	OFF	ON
YSLF-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	COMPRESSOR -A- FAULT		MCC	UCP-6101	DI	24VDC	NC	PW400	H		NIS	2	4	1	OFF	ON
YSLH-EH6101	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	OIL HEATER RUNNING		MCC	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	4	2	OFF	ON
YSLF-EH6101	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6102	OIL HEATER - FAULT		MCC	UCP-6101	DI	24VDC	NC	PW400	H		NIS	2	4	3	OFF	ON
YSLH-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	PUMP P1A RUNNING		MCC	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	4	4	OFF	ON
YSLF-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	PUMP P1A - FAULT		MCC	UCP-6101	DI	24VDC	NC	PW400	H		NIS	2	4	5	OFF	ON
YSLH-P6111B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	PUMP P1B RUNNING		MCC	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	4	6	OFF	ON
YSLF-P6111B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	PUMP P1B - FAULT		MCC	UCP-6101	DI	24VDC	NC	PW400	H		NIS	2	4	7	OFF	ON
						SPARE											2	4	8		
						SPARE											2	4	9		
						SPARE											2	4	10		
HS-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101B	UCP-6101	EMERGENCY STOP PB		COMP-B SKID	LCP-6101B	DI	24VDC	NC	PW400	H		NIS	2	4	11	OFF	ON
YLH-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101A	PUMP P1A RUNNING		COMP-A SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	4	12	OFF	ON
YL-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101A	PUMP P1A - FAULT		COMP-A SKID	LCP-6101A	DI	24VDC	NC	PW400	H		NIS	2	4	13	OFF	ON
YLH-P6111B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101A	PUMP P1B RUNNING		COMP-A SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	4	14	OFF	ON
YL-P6111B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101A	PUMP P1B - FAULT		COMP-A SKID	LCP-6101A	DI	24VDC	NC	PW400	H		NIS	2	4	15	OFF	ON
Card Type: Digital IN/ 16																					
TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL		
HS-P6111A/B-A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	LEAD/LAG - P1A - SELECTOR		COMP-A SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	5	0	OFF	ON
HS-P6111A/B-B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	LEAD/LAG - P1 - SELECTOR		COMP-A SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	5	1	OFF	ON
HSLR-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	HOA-HAND - PUMP 1A		COMP-A SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	2	OFF	ON
HSLR-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6102	HOA-OFF - PUMP 1A		COMP-A SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	3	OFF	ON
HSLR-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	HOA-AUTO - PUMP 1A		COMP-A SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	4	OFF	ON
HST-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	PUMP 1A LOCAL START PB		COMP-A SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	5	OFF	ON
HSP-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	PUMP 1A LOCAL STOP PB		COMP-A SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	6	OFF	ON
						SPARE											2	5	7		
HSLR-P6111B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL																		



Gachsaran Polymer Industries Company
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																	STATES				
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	STATES '0'	STATES '1'
Card Type: Digital OUT/ 16																					
YUH-6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101A	COMPRESSOR -A- RUNNING		COMP SKID	LCP-6101A	DO	24VDC	NDE	PW400	H		NIS	2	6	0	OFF	ON
YL-6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101A	COMPRESSOR -A- AVAILABLE/FAULT		COMP SKID	LCP-6101A	DO	24VDC	NDE	PW400	H		NIS	2	6	1	OFF	ON
YUH-6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101B	COMPRESSOR -B- RUNNING		COMP SKID	LCP-6101A	DO	24VDC	NDE	PW400	H		NIS	2	6	2	OFF	ON
YL-6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101B	COMPRESSOR -B- AVAILABLE/FAULT		COMP SKID	LCP-6101A	DO	24VDC	NDE	PW400	H		NIS	2	6	3	OFF	ON
XA-61495	Propylene	VD-GPIC-MA-3029-3029-0045	BOOL	UCP-6101	LCP-6101	ENCLOSURE FANS ON/OFF -1		UCP-6101	UCP-6101	DO	24VDC	WET CONTACT	PW400	H		NIS	2	6	5	OFF	ON
HSL-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	COMPA. START COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	6		
HSH-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	COMPA. STOP COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	7		
HSL-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	COMPB. START COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	8		
HSH-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	COMPB. STOP COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	9		
HSL-P6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	PUMP.A. START COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	10		
HSH-P6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	PUMP.A. STOP COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	11		
HSL-P6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	PUMP.B START COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	12		
HSH-P6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	PUMP.B. STOP COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	13		
HSL-EH6101	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	ELEC.HEATER. START COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	14		
HSH-EH6101	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	ELEC.HEATER. STOP COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	15		
Card Type: Digital OUT/ 16																					
XY-61111	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	FIELD	COMPRESSOR -A- SLIDE VALVE UNLOAD SOV		COMP SKID	JB-UEV-612	DO	24VDC	NE	PW400	H		NIS	2	7	0	OFF	ON
XY-61112	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	FIELD	COMPRESSOR -A- SLIDE VALVE LOAD SOV		COMP SKID	JB-UEV-612	DO	24VDC	NE	PW400	H		NIS	2	7	1	OFF	ON
XY-61121	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	FIELD	COMPRESSOR -B- SLIDE VALVE UNLOAD SOV		COMP SKID	JB-UEV-622	DO	24VDC	NE	PW400	H		NIS	2	7	2	OFF	ON
XY-61122	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	FIELD	COMPRESSOR -B- SLIDE VALVE LOAD SOV		COMP SKID	JB-UEV-622	DO	24VDC	NE	PW400	H		NIS	2	7	3	OFF	ON
XY-61151	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	FIELD	OIL RECOVERY VALVE SOV - COMPRESSOR DISCHARGE		VESSELS SKID	JB-UEV-652	DO	24VDC	NE	PW400	H		NIS	2	7	0	OFF	ON
XY-61152	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	FIELD	OIL RECOVERY VALVE SOV - CHILLER RECOVERY		VESSELS SKID	JB-UEV-652	DO	24VDC	NE	PW400	H		NIS	2	7	1	OFF	ON
XA-61101	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	DCS	COMPRESSOR -A- ALRM COMPRESSOR		UCP-6101	UCP-6101	DO	24VDC	NDE	PW400	H	S	NIS	2	7	6	OFF	ON
XA-61102	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	DCS	COMMON -A- TRIP COMPRESSOR		UCP-6101	UCP-6101	DO	24VDC	NDE	PW400	H	S	NIS	2	7	7	OFF	ON
XA-61403	Propylene	VD-GPIC-MA-3029-3029-0045	BOOL	UCP-6101	DCS	COMPRESSOR -B- TRIP COMPRESSOR		UCP-6101	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H	S	NIS	2	7	8	OFF	ON
XA-61404	Propylene	VD-GPIC-MA-3029-3029-0045	BOOL	UCP-6101	DCS	COMMON -B- ALRM COMPRESSOR		UCP-6101	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H	S	NIS	2	7	9	OFF	ON
UA-61190	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	DCS	INTERLOCK ACTIVATED FOR COMP. B		UCP-6101	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H	S	NIS	2	7	10	OFF-PULSE	ON-PULSE
UA-61144	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	DCS	INTERLOCK ACTIVATED FOR COMP. A		UCP-6101	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H	S	NIS	2	7	11	OFF-PULSE	ON-PULSE
Card Type: Digital IN/ 16																					
Card Type: Analog IN/ 8																					
PT-61111	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- SUCTION PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	8	0		
PT-61113	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- OIL SUPPLY PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	8	1		
TT-61111	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- SUCTION TEMPERATURE	C	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	8	2		
VT-61111	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- CASING VIBRATION	%	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	8	3		
ZT-61111	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- SLIDE VALVE POSITION	%	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	8	4		
TE-61127	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR MOTOR -B- BEARING TEMP DE	C	COMP -B- SKID	MOTOR JB	AI	4-20mA	-	PW400	H	S	IS	2	8	6		
TE-61128	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR MOTOR -B- BEARING TEMP NDE	C	COMP -B- SKID	MOTOR JB	AI	4-20mA	-	PW400	H	S	IS	2	8	7		
Card Type: Analog IN/ 8																					
PT-61121	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B- SUCTION PRESSURE	Bar	COMP SKID	JB-UIA-621	AI	4-20mA	-	PW400	H	S	IS	2	9	0		
PT-61123	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B- OIL SUPPLY PRESSURE	Bar	COMP SKID	JB-UIA-621	AI	4-20mA	-	PW400	H	S	IS	2	9	1		
TT-61121	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B- SUCTION TEMPERATURE	C	COMP SKID	JB-UIA-621	AI	4-20mA	-	PW400	H	S	IS	2	9	2		
VT-61121	Propylene	VD-GPIC-MA-3029-3029-0045	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B- CASING VIBRATION	%	COMP SKID	JB-UIA-61124	AI	4-20mA	-	PW400	H	S	IS	2	9	3		
ZT-61121	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B- SLIDE VALVE POSITION	%	COMP SKID	JB-UIA-621	AI	4-20mA	-	PW400	H	S	IS	2	9	4		
TE-61117	Propylene	VD-GPIC-MA-3029-3029-0015	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	9	6		
TE-61118	Propylene	VD-GPIC-MA-3029-3029-0015	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	9	7		
Card Type: Analog IN/ 8																					
PT-61131	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMMON DISCHARGE PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	0		
PT-61132	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COALESCE ELEMENT OUTLET PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	1		
PT-61133	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL FILTER SUPPLY PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	2		
PT-61134	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SUPPLY PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	3		
TT-61131	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SEPARATOR TEMPERATURE	C	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	4		
TT-61132	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SUPPLY TEMPERATURE	C	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	5		
LT-61131	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SEPARATOR LEVEL	%	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	6		
Card Type: Analog IN/ 8																					
PT-61131	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMMON DISCHARGE PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	0		
PT-61132	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COALESCE ELEMENT OUTLET PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	1		
PT-61133	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL FILTER SUPPLY PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	2		
PT-61134	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SUPPLY PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	3		
TT-61131	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SEPARATOR TEMPERATURE	C	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	4		
TT-61132	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SUPPLY TEMPERATURE	C	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS					

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TIC-61101	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	DCS	UCP-6101	CHILLER TUBE OUTLET TEMPERATURE	C	VESSELS SKID	JB-UIA-61141	AI	4-20mA	-	PW400	H	S	IS	2	11	0
LT-61151	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	CHILLER LEVEL	%	VESSELS SKID	JB-UIA-641	AI	4-20mA	-	PW400	H	S	IS	2	11	1
						SPARE				AI	4-20mA	-	PW400				2	11	2
PT-61141	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	ECONOMIZER TUBESIDE PRESSURE	Bar	COMP SKID	JB-UIA-641	AI	4-20mA	-	PW400	H	S	IS	2	11	3
TT-61141	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	ECONOMIZER TUBESIDE TEMPERATURE	Bar	COMP SKID	JB-UIA-641	AI	4-20mA	-	PW400	H	S	IS	2	11	4
TT-61190	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	UCP-6101	UCP-6101	UNIT CONTROL PANEL TEMPERATURE	C	UCP-6101	UCP-6101	AI	4-20mA	-	PW400	H	S	NIS	2	11	5
IT-61111	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	MCC	UCP-6101	COMPRESSOR -A- MOTOR CURRENT	AMPS	MCC	UCP-6101	AI	4-20mA	-	PW400	H	S	NIS	2	11	6
IT-61121	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	MCC	UCP-6102	COMPRESSOR -B- MOTOR CURRENT	AMPS	MCC	UCP-6101	AI	4-20mA	-	PW400	H	S	NIS	2	11	7
Card Type: Analog IN/ 8																			
TAG						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL
PT-61111	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- SUCTION PRESSURE	Bar	COMP SKID	JB-UIA-611	AIR	4-20mA	-	PW400	H	S	IS	2	12,13	0
PT-61121	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B- SUCTION PRESSURE	Bar	COMP SKID	JB-UIA-621	AIR	4-20mA	-	PW400	H	S	IS	2	12,13	1
LT-61131	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SEPARATOR LEVEL	%	COMP SKID	JB-UIA-611	AIR	4-20mA	-	PW400	H	S	IS	2	12,13	2
LT-61151	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	CHILLER LEVEL	%	VESSELS SKID	JB-UIA-641	AIR	4-20mA	-	PW400	H	S	IS	2	12,13	3
						SPARE											2	12,13	4
						SPARE											2	12,13	5
						SPARE											2	12,13	6
						SPARE											2	12,13	7
Card Type: Analog OUT 4																			
TAG						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL
PV-61151	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	UCP-6101	FIELD	HOT GAS BYPASS CONTROL VALVE	%	VESSELS SKID	JB-UIA-641	AOR	4-20 mA	-	-	H	S	IS	2	14,15	0
LV-61151	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	UCP-6101	FIELD	CHILLER LEVEL CONTROL VALVE	%	VESSELS SKID	JB-UIA-641	AOR	4-20 mA	-	-	H	S	IS	2	14,15	1
TV-61141	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	UCP-6102	FIELD	ECONOMIZER TEMPERATURE CONTROL VALVE	%	VESSELS SKID	JB-UIA-641	AOR	4-20 mA	-	-	H	S	IS	2	14,15	2
						SPARE				AOR	4-20 mA	-	-				2	14,15	3

ULT003 - PLC I/O LIST
COUNT IS PER UNIT

IN-04. "TS-6101" as time synchronization signal from DCS to UCP (DI) shall be added to IO list.

AI : Analog Input
AO : Analog Input
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
PW400 : POWER SUPPLY 400 W

AIR: Analog Input Redundancy
AOR: Analog Output Redundancy
DIR: Digital Input Redundancy
DOR: Digital Output Redundancy
NO: Normally Open
NC: Normally Close
NDE: Normally De- Energize
NE: Normally Energize

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