







 Gachsaran Polymer Industries Company PIDMCO	Gachsaran Polymer Industries Company HDPE Plant Instrument List		  	
	PO No.: GPIC-PT-MA-PO-000-3029	Document Number: VD-GPIC-MA-3029-3029-0039	Rev. 00	Page 1 of 4

Instrument List

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.
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00	8-Dec-25	IFI	A.M	F.T	A.M
Rev.	DATE	PURPOSE OF ISSUE	PREPARED	CHECKED	APPROVED

IN-01. All type of instruments in the P&ID such as PSV, RO, LI-61131,... shall be added to this list.

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Item No	Inst_tag	Location	inst_desc	service	PID No.	Unit	Instrument Calibrated Range	Remarks
1	PT-61111	Compressor Skid A	Pressure Transmitter	Compressor Suction Pressure Transmitter	VD-GPIC-MA-3029-3029-0015	barG	0 to 17.2	
2	PT-61113	Compressor Skid A	Pressure Transmitter	Oil header Compressor Pressure Transmitter	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
3	PT-61121	Compressor Skid B	Pressure Transmitter	Compressor Suction Pressure Transmitter	VD-GPIC-MA-3029-3029-0015	barG	0 to 17.2	
4	PT-61123	Compressor Skid B	Pressure Transmitter	Oil header Compressor Pressure Transmitter	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
5	PT-61131	Compressor Skid A	Pressure Transmitter	Compressor Discharge Pressure Transmitter	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
6	PT-61132	Compressor Skid A	Pressure Transmitter	Coalescer Pressure Transmitter	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
7	PT-61133	Compressor Skid A	Pressure Transmitter	Upstream Oil Filter Pressure Transmitter	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
8	PT-61134	Compressor Skid A	Pressure Transmitter	Downstream Oil Filter Pressure Transmitter	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
9	PT-61141	Chiller Skid	Pressure Transmitter	Economizer Pressure Transmitter	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
10	PG-61111	Compressor Skid A	Pressure Gauge	Compressor Suction Pressure Gauge	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
11	PG-61113	Compressor Skid A	Pressure Gauge	Oil header Compressor Pressure Gauge	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
12	PG-61121	Compressor Skid B	Pressure Gauge	Compressor Suction Pressure Gauge	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
13	PG-61123	Compressor Skid B	Pressure Gauge	Oil header Compressor Pressure Gauge	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
14	PG-61131	Compressor Skid A	Pressure Gauge	Compressor Discharge Pressure Gauge	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
15	PG-61133	Compressor Skid A	Pressure Gauge	Oil pump A Pressure Gauge	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
16	PG-61134	Compressor Skid A	Pressure Gauge	Oil pump B Pressure Gauge	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
17	PG-61142	Compressor Skid	Pressure Gauge	Receiver Pressure Gauge	VD-GPIC-MA-3029-3029-0015	barG	0 to 40	
18	TT-61111	Compressor Skid A	Temperature Transmitter	Compressor Suction Temperature Transmitter	VD-GPIC-MA-3029-3029-0015	°C	-50.0 to 100	
19	TT-61121	Compressor Skid B	Temperature Transmitter	Compressor Suction Temperature Transmitter	VD-GPIC-MA-3029-3029-0015	°C	-50.0 to 100	
20	TT-61131	Compressor Skid	Temperature Transmitter	Oil Separator Temperature Transmitter	VD-GPIC-MA-3029-3029-0015	°C	-50.0 to 100	
21	TT-61132	Compressor Skid	Temperature Transmitter	Oil Supply Compressor Temperature Transmitter	VD-GPIC-MA-3029-3029-0015	°C	-50.0 to 100	
22	TG-61131	Compressor Skid	Temperature Gauge	Oil Separator Temperature Gauge	VD-GPIC-MA-3029-3029-0015	°C	-20.0 to 100	

IN-02. Columns for MFR & Model no. shall be added.



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Item No	Inst_tag	Location	inst_desc	service	PID No.	Unit	Instrument Calibrated Range	Remarks
23	TG-61132	Compressor Skid	Temperature Gauge	Oil Supply Compressor Temperature Gauge	VD-GPIC-MA-3029-3029-0015	°C	-20.0 to 100	
24	TG-61141	Compressor Skid	Temperature Gauge	Receiver Temperature Gauge	VD-GPIC-MA-3029-3029-0015	°C	-20.0 to 100	
25	LT-61131	Compressor Skid	Level Transmitter	Oil Separator Level Transmitter	VD-GPIC-MA-3029-3029-0015	%	0.0 to 100.0	
26	LT-61151	Chiller Skid	Level Transmitter	Chiller Level Transmitter	VD-GPIC-MA-3029-3029-0015	%	0.0 to 100.0	
27	LG-61141	Chiller Skid	Level Gauge	Receiver Level Gauge	VD-GPIC-MA-3029-3029-0015			
28	ZT-61111	Compressor Skid A	Position Sensor	Compressor Slide Valve Position Sensor	VD-GPIC-MA-3029-3029-0015	%	0.0 to 100.0	
29	ZT-61121	Compressor Skid B	Position Sensor	Compressor Slide Valve Position Sensor	VD-GPIC-MA-3029-3029-0015	%	0.0 to 100.0	
30	DIRV-61111	Compressor Skid A	DIRECTIONAL VALVE	Compressor capacity control directional valve	VD-GPIC-MA-3029-3029-0015			
31	DIRV-61121	Compressor Skid B	DIRECTIONAL VALVE	Compressor capacity control directional valve	VD-GPIC-MA-3029-3029-0015			
32	XY-61111	Compressor Skid A	Solenoid Valve	Compressor Capacity Unload Solenoid Valve	VD-GPIC-MA-3029-3029-0015		1 = Energized	
33	XY-61112	Compressor Skid A	Solenoid Valve	Compressor Capacity Unload Solenoid Valve	VD-GPIC-MA-3029-3029-0015		1 = Energized	
34	XY-61121	Compressor Skid B	Solenoid Valve	Compressor capacity unload solenoid valve	VD-GPIC-MA-3029-3029-0015		1 = Energized	
35	XY-61122	Compressor Skid B	Solenoid Valve	Compressor capacity load solenoid valve	VD-GPIC-MA-3029-3029-0015		1 = Energized	
36	XY-61151	Chiller Skid	Solenoid Valve	Oil Recovery System	VD-GPIC-MA-3029-3029-0015		1 = Energized	
37	XY-61152	Chiller Skid	Solenoid Valve	Oil Recovery System	VD-GPIC-MA-3029-3029-0015		1 = Energized	
38	TV-61141	Chiller Skid	Temperature Control Valve	Economizer Expansion Control Valve	VD-GPIC-MA-3029-3029-0015	%	0.0 to 100.0	
39	PV-61151	Chiller Skid	Pressure Control Valve	Recycle Control Valve	VD-GPIC-MA-3029-3029-0015	%	0.0 to 100.0	
40	LV-61151	Chiller Skid	Level Control Valve	Chiller Expansion Control Valve	VD-GPIC-MA-3029-3029-0015	%	0.0 to 100.0	