



Toase-eh Park Sanati Gohar Ofogh
Petrochemical Co.
**CONCEPTUAL, BASIC and DETAIL DESIGN
ENGINEERING OF STYRENE PARK OFFSITE**



Document Title: Instrument List

Document No.:

Rev. R00

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STYRENE PARK OFFSITE

**Document Title:
Instrument List**

Rev.	Issued Date	DESCRIPTION	PREPARED	CHECKED	APPROVED
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REVISION RECORD SHEET

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1	X							41							
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Item No	Inst_tag	Location	inst_desc	service	PID No.	Unit	Instrument Calibrated Range	Remarks
1	PIT-RU0001A-01	Compressor Skid	Pressure Transmitter	Compressor Suction pressure transmitter	EI027-HSE-VD-PR-PID-002	barG	-1.0 to 10.3	
2	PIT-RU0001A-03	Compressor Skid	Pressure Transmitter	Discharge pressure transmitter	EI027-HSE-VD-PR-PID-002	barG	-1.0 to 27.6	
3	PIT-RU0001A-02	Compressor Skid	Pressure Transmitter	Oil header Compressor pressure transmitter	EI027-HSE-VD-PR-PID-002	barG	-1.0 to 27.6	
4	PIT-RU0001A-05	Compressor Skid	Pressure Transmitter	Upstream oil filter pressure transmitter	EI027-HSE-VD-PR-PID-002	barG	-1.0 to 27.6	
5	PIT-RU0001A-06	Compressor Skid	Pressure Transmitter	Downstream oil filter pressure transmitter	EI027-HSE-VD-PR-PID-002	barG	-1.0 to 27.6	
6	PIT-RU0001A-04	Compressor Skid	Pressure Transmitter	Pressure transmitter oil separator	EI027-HSE-VD-PR-PID-002	barG	-1.0 to 27.6	
7	TIT-RU0001A-01	Compressor Skid	Temperature Transmitter	Compressor Suction temperature transmitter	EI027-HSE-VD-PR-PID-002	°C	-50.0 to 100	
8	TIT-RU0001A-03	Compressor Skid	Temperature Transmitter	Oil Separator temperature transmitter	EI027-HSE-VD-PR-PID-002	°C	-50.0 to 100	
9	TIT-RU0001A-02	Compressor Skid	Temperature Transmitter	Oil header compressor temperature transmitter	EI027-HSE-VD-PR-PID-002	°C	-50.0 to 100	
10	ZE-RU0001A-01	Compressor Skid	Position Sensor	Compressor slide valve position Sensor	EI027-HSE-VD-PR-PID-002	%	0.0 to 100.0	
11	LIT-RU0001A-01	Chiller Skid	Level Transmitter	Chiller level transmitter	EI027-HSE-VD-PR-PID-002	%	0.0 to 100.0	
12	LV-RU0001A-01	Chiller Skid	Level Control Valve	Chiller level control valve	EI027-HSE-VD-PR-PID-002	%	0.0 to 100.0	
13	SOV-RU0001A-01D	Compressor Skid	Solenoid Valve	Compressor capacity load Return solenoid valve	EI027-HSE-VD-PR-PID-002		1 = Energized	
14	SOV-RU0001A-01A	Compressor Skid	Solenoid Valve	Compressor capacity unload supply solenoid valve	EI027-HSE-VD-PR-PID-002		1 = Energized	
15	SOV-RU0001A-01C	Compressor Skid	Solenoid Valve	Compressor capacity load supply solenoid valve	EI027-HSE-VD-PR-PID-002		1 = Energized	
16	SOV-RU0001A-01E	Compressor Skid	Solenoid Valve	Compressor capacity unload Return solenoid valve	EI027-HSE-VD-PR-PID-002		1 = Energized	
17	SOV-RU0001A-03	Chiller Skid	Solenoid Valve	Hot gas solenoid valve	EI027-HSE-VD-PR-PID-002		1 = Energized	
18	SOV-RU0001A-02	Chiller Skid	Solenoid Valve	Evaporator oil drain line.	EI027-HSE-VD-PR-PID-002		1 = Energized	
19	TS-RU0001A-01A	Electrical Heater	Temperature Switch	Oil heater temp. control switch	EI027-HSE-VD-PR-PID-002		Dry Contact	
20	TS-RU0001A-01B	Electrical Heater	Temperature Switch	Oil heater Surface and box temp. control switch	EI027-HSE-VD-PR-PID-002		Dry Contact	
21	LS-RU0001A-01	Compressor Skid	Level Switch	Oil separator level switch	EI027-HSE-VD-PR-PID-002		Dry Contact	
22	VS-RU0001A-01A	Chiller Skid	Vibration Switch	Air Cooler motor 2 vibration switch	EI027-HSE-VD-PR-PID-002		Dry Contact	
23	VS-RU0001A-01B	Chiller Skid	Vibration Switch	Air Cooler motor 3 vibration switch	EI027-HSE-VD-PR-PID-002		Dry Contact	
24	PSV-RU0001A-03	Chiller Skid	Pressure safety valve	Evaporator Safety Valve	EI027-HSE-VD-PR-PID-002			
25	PSV-RU0001A-02	Chiller Skid	Pressure safety valve	Receiver Safety Valve	EI027-HSE-VD-PR-PID-002			
26	LG-RU0001A-02	Chiller Skid	Level Gauge	Receiver Level Gauge	EI027-HSE-VD-PR-PID-002			
27	PG-RU0001A-01	Compressor Skid	Pressure gauge	Compressor Suction pressure gauge	EI027-HSE-VD-PR-PID-002			
28	PIT-RU0001B-01	Compressor Skid	Pressure Transmitter	Compressor Suction pressure transmitter	EI027-HSE-VD-PR-PID-002	barG	-1.0 to 10.3	
29	PIT-RU0001B-03	Compressor Skid	Pressure Transmitter	Discharge pressure transmitter	EI027-HSE-VD-PR-PID-002	barG	-1.0 to 27.6	



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30	PIT-RU0001B-02	Compressor Skid	Pressure Transmitter	Oil header Compressor pressure transmitter	EI027-HSE-VD-PR-PID-002	barG	-1.0 to 27.6	
31	PIT-RU0001B-05	Compressor Skid	Pressure Transmitter	Upstream oil filter pressure transmitter	EI027-HSE-VD-PR-PID-002	barG	-1.0 to 27.6	
32	PIT-RU0001B-06	Compressor Skid	Pressure Transmitter	Downstream oil filter pressure transmitter	EI027-HSE-VD-PR-PID-002	barG	-1.0 to 27.6	
33	PIT-RU0001B-04	Compressor Skid	Pressure Transmitter	Pressure transmitter oil separator	EI027-HSE-VD-PR-PID-002	barG	-1.0 to 27.6	
34	TIT-RU0001B-01	Compressor Skid	Temperature Transmitter	Compressor Suction temperature transmitter	EI027-HSE-VD-PR-PID-002	°C	-50.0 to 100	
35	TIT-RU0001B-03	Compressor Skid	Temperature Transmitter	Oil Separator temperature transmitter	EI027-HSE-VD-PR-PID-002	°C	-50.0 to 100	
36	TIT-RU0001B-02	Compressor Skid	Temperature Transmitter	Oil header compressor temperature transmitter	EI027-HSE-VD-PR-PID-002	°C	-50.0 to 100	
37	ZE-RU0001B-01	Compressor Skid	Position Sensor	Compressor slide valve position Sensor	EI027-HSE-VD-PR-PID-002	%	0.0 to 100.0	
38	LIT-RU0001B-01	Chiller Skid	Level Transmitter	Chiller level transmitter	EI027-HSE-VD-PR-PID-002	%	0.0 to 100.0	
39	LV-RU0001B-01	Chiller Skid	Level Control Valve	Chiller level control valve	EI027-HSE-VD-PR-PID-002	%	0.0 to 100.0	
40	SOV-RU0001B-01D	Compressor Skid	Solenoid Valve	Compressor capacity load Return solenoid valve	EI027-HSE-VD-PR-PID-002		1 = Energized	
41	SOV-RU0001B-01A	Compressor Skid	Solenoid Valve	Compressor capacity unload supply solenoid valve	EI027-HSE-VD-PR-PID-002		1 = Energized	
42	SOV-RU0001B-01C	Compressor Skid	Solenoid Valve	Compressor capacity load supply solenoid valve	EI027-HSE-VD-PR-PID-002		1 = Energized	
43	SOV-RU0001B-01E	Compressor Skid	Solenoid Valve	Compressor capacity unload Return solenoid valve	EI027-HSE-VD-PR-PID-002		1 = Energized	
44	SOV-RU0001B-03	Chiller Skid	Solenoid Valve	Hot gas solenoid valve	EI027-HSE-VD-PR-PID-002		1 = Energized	
45	SOV-RU0001B-02	Chiller Skid	Solenoid Valve	Evaporator oil drain line.	EI027-HSE-VD-PR-PID-002		1 = Energized	
46	TS-RU0001B-01A	Electrical Heater	Temperature Switch	Oil heater temp. control switch	EI027-HSE-VD-PR-PID-002		Dry Contact	
47	TS-RU0001B-01B	Electrical Heater	Temperature Switch	Oil heater Surface and box temp. control switch	EI027-HSE-VD-PR-PID-002		Dry Contact	
48	LS-RU0001B-01	Compressor Skid	Level Switch	Oil separator level switch	EI027-HSE-VD-PR-PID-002		Dry Contact	
49	VS-RU0001B-01A	Chiller Skid	Vibration Switch	Air Cooler motor 2 vibration switch	EI027-HSE-VD-PR-PID-002		Dry Contact	
50	VS-RU0001B-01B	Chiller Skid	Vibration Switch	Air Cooler motor 3 vibration switch	EI027-HSE-VD-PR-PID-002		Dry Contact	
51	PSV-RU0001B-03	Chiller Skid	Pressure safety valve	Evaporator Safety Valve	EI027-HSE-VD-PR-PID-002			
52	PSV-RU0001B-02	Chiller Skid	Pressure safety valve	Receiver Safety Valve	EI027-HSE-VD-PR-PID-002			
53	LG-RU0001B-02	Chiller Skid	Level Gauge	Receiver Level Gauge	EI027-HSE-VD-PR-PID-002			
54	PG-RU0001B-01	Compressor Skid	Pressure gauge	Compressor Suction pressure gauge	EI027-HSE-VD-PR-PID-002			