طرح نگهداشت و افزایش تولید ۲۷ مخزن

INSTRUMENT/F&G LIST

نگهداشت و افزایش تولید میدان نفتی بینک

Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approv
V01	Aug.2023	IFR	Havayar Co.	M.Fakharian	A.M.Mohseni	
V00	MAY.2023	IFR	Havayar Co.	M.Fakharian	M.Mehrshad	

Class: **CLIENT Doc. Number:**

status

IFA: Issued For Approval
IFR: Issued For Review
IFI: Issued For Information
AFC: Approved For Construction

NISOC	نگهداشت و افزایش تولید میدان نفتی بینک	HAVAYAR INDUSTRIAL GROUP
	خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)	
شماره پیمان:	INSTRUMENT/F&G LIST	شماره صفحه: ۱ از ۴۲

پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
BK	GCS	HY	120	IN	LI	0002	V01

۰۵۳ - ۰۷۳ - ۹۱۸٤

REVISION RECORD SHEET

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1	X	X				65					
2	X	X				66					
3	X					67					
4	X					68					
5	X	X				69					
6	X	X				70					
7	X	X				71					
8	X	X				72					
9	X	X				73					
10						74					
11		X				75					
12		X				76					
13		X				77					
14						78					
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17		X				81					
18		X				82					
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64						128					

ABBREVIATIONS

Location: (Geographical location of the instrument)

FIELD	:	Local
LCP	:	Local Panel
SS	:	Electrical Substation
ITR	:	Instrument Technical Room
CCR	:	Central Control Room
MCC	:	Motor Control Center
DCS	:	Distributed Control System
ESD	:	Emergency Shutdown System
UCP	:	Unit Control Panel

I/O type

AI	:	Analog Input
AO	:	Analog Output
DI	:	Digital Input
DO	:	Digital Output
DOR	:	Digital Output redundant
AIR	:	Analog Input redundant
AOR	:	Analog Output redundant
DIR	:	Digital Input redundant
SAI	:	Software Analog Input
SAO	:	Software Analog Output
SDI	:	Software Digital Input
SDO	:	Software Digital Output
F		fail safe

System:

ESD	:	Emergency Shut Down System
UCP	:	Unit Control Panel
DCS	:	Distributed Control System (PCS)
FGS	:	Fire and Gas System
MCC	:	Motor Control Center

Signal Type :
4-20mA
DC24V

NC	Contact (Normal Close)
NO	Contact (Normal Open)
SOV	Digital Output Solenoid Valve
SL	Serial Link

Valve Action :

FC	:	Fail Close
FO	:	Fail Open
FL	:	Fail Lock
FLC	:	Fail Lock Close
FLO	:	Fail Lock Open

W/D :

D	:	Dry Contact
W	:	Wet Contact

Power Supply :
AC110V
DC24V

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

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HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه		شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01		4 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
1	SV-2201A	A	SOLENOID VALVE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101,2A	BK-GCS-HY-120-PR-PI-0001-SHEET 2A				DOR	UCP-A	FIELD	24VDC	W	24VDC	NIS								ZONE2, IIB, T3			
2	SV-2202A	A	SOLENOID VALVE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101,2A	BK-GCS-HY-120-PR-PI-0001-SHEET 2A				DOR	UCP-A	FIELD	24VDC	W	24VDC	NIS								ZONE2, IIB, T3			
3	SV-2203A	A	SOLENOID VALVE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101,2A	BK-GCS-HY-120-PR-PI-0001-SHEET 2A				DOR	UCP-A	FIELD	24VDC	W	24VDC	NIS								ZONE2, IIB, T3			
4																											
5	PT-2123A	A	PRESSURE TRANSMITTER	ON SUCTION SNUBBER 1S STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	8"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-16	BARG					ZONE2, IIB, T3			
6	PI-2123A	A	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
7	PAH-2123A	A	PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
8																											
9	FT-2121A	A	FLOW TRANSMITTER	ON SUCTION SNUBBER 1S STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	8"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-14000	NM3/H					ZONE2, IIB, T3			
10	FE-2121 A	A	FLOW ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	FIELD	-															
11	FI-2121 A	A	FLOW INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
12																											
13	TT-2122 A	A	TEMPERATURE TRANSMITTER	ON SUCTION SNUBBER 1S STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	8"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-100	°C					ZONE2, IIB, T3			
14	TI-2122 A	A	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
15	TE-2122A	A	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-																	
16	TW-2122 A	A	THERMOWELL		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-																	
17																											
18	PDT-2122 A	A	DIFF. PRESSURE TRANSMITTER	STRAINER FILTER	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	1"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-1	BARG					ZONE2, IIB, T3			
19	PDI-2122 A	A	DIFF. PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
20	PDAH-2122 A	A	DIFF. PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
21																											
22	PT-2192 A/BA	A	PRESSURE TRANSMITTER	ON DISCHARGE SNUBBER 1ST STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	6"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-40	BARG					ZONE2, IIB, T3			
23	PI-2192 A/BA	A	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
24	PAH-2192 A/BA	A	PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
25																											
26	TT-2192 A	A	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 1ST STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	6"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-200	°C					ZONE2, IIB, T3			
27	TE-2191 A	A	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A					FIELD	-															
28	TW-2191 A	A	THERMOWELL		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A					FIELD	-															
29	TI-2192 A	A	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
30																											
31	TT-2191 A	A	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 1ST STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-200	°C					ZONE2, IIB, T3			
32	TI-2191A	A	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															

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9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01		5 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
33	TAH-2191A	A	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
34																											
35	TS-2191A	A	TEMPERATURE SWITCH	ON DISCHARGE SNUBBER 1ST STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				DI	FIELD	Trip Relay UCP A	24VDC		NC	NIS		0-200/160	°C								
36	TAHH-2191A	A	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	-	-	-		FIELD	UCP-A	24VDC														
37																											
38	TT-2194 A	A	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				AI	FIELD	CCR	24VDC	-	4-20mA Hart	IS		0-200	°C					ZONE2, IIB, T3			
39	TE-2194 A	A	THERMO ELEMENT		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A					FIELD	-															
40	TW-2194 A	A	THERMOWELL		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A					FIELD	-															
41	TI-2194 A	A	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
42	TAH-2194 A	A	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
43																											
44	TS-2194 A	A	TEMPERATURE SWITCH	ON DISCHARGE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				DI	FIELD	USD				NIS											
45	TAHH-2194 A	A	TEMPERATURE ALARAM HIGH HIGH		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	FIELD	UCP															
46																											
47	PT-2124 A	A	PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	6"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-80	BARG					ZONE2, IIB, T3			
48	PI-2124 A	A	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
49	PAHH-2124 A	A	PRESSURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
50																											
51	PS-2195 A	A	PRESSURE SWITCH	ON DISCHARGE LINE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	6"			DI	FIELD	Trip Relay UCP A				NIS											
52	PAHH-2195 A	A	PRESSURE Trip HIGH HIGH		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	FIELD	UCP-A															
53																											
54	TT-2123 A	A	TEMPERATURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	6"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-200	°C					ZONE2, IIB, T3			
55	TE-2123 A	A	THERMO ELEMENT		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A					-	FIELD															
56	TW2123 A	A	THERMOWELL		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A					-	FIELD															
57	TI-2123 A	A	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
58																											
59	PT-2197A	A	PRESSURE TRANSMITTER	ON SUCTION SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	6"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-40	BARG					ZONE2, IIB, T3			
60	PI-2197 A	A	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
61																											
62	FT-2197A	A	FLOW TRANSMITTER	ON SUCTION SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	6"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-14000	NM3/H					ZONE2, IIB, T3			
63	FE-2197A	A	FLOW ELEMENT		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	FIELD	-															
64	FI-2197A	A	FLOW INDICATING		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															

NISOC

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9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
65																											
66	TT-2197A	A	TEMPERATURE TRANSMITTER	ON SUCTION SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	6"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-100	°C					ZONE2, IIB, T3			
67	TE-2197A	A	THERMO ELEMENT		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	-	FIELD															
68	TW-2197A	A	THERMOWELL		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A					-	FIELD															
69	TI-2197A	A	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A					UCP-A	CCR															
70																											
71	PDT-2197A	A	DIFF. PRESSURE TRANSMITTER	STRAINER FILTER 2ND STAGE	PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	1"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-6	BARG					ZONE2, IIB, T3			
72	PDI-2197A	A	DIFF. PRESSURE INDICATING		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
73	PDAH-2197A	A	DIFF. PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2102A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	CCR															
74																											
75	PT-2201A	A	PRESSURE TRANSMITTER	ON INSTRUMENT LINE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 2A	2"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
76	PI-2201A	A	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 2A				-	UCP-A	CCR															
77	PAL-2201A	A	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 2A				-	UCP-A	CCR															
78																											
79	PT-2200 A	A	PRESSURE TRANSMITTER	ON LUBRICATOR	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
80	PI-2200 A	A	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
81	PAL-2200 A	A	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
82																											
83	LT-2200 A	A	LEVEL TRANSMITTER	ON CRANK CASE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
84	LI-2200 A	A	LEVEL INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
85	LAL-2200 A	A	LEVEL ALARM LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
86																											
87	LT-2213 A	A	LEVEL TRANSMITTER	WATER RESERVOIR	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				AI	FIELD	Trip Relay UCP A	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
88	LI-2213 A	A	LEVEL INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
89	LAL-2213 A	A	LEVEL ALARM LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
90	LALL-2213 A	A	LEVEL ALARM LOW LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
91																											
92	TT-2203 A	A	TEMPERATURE TRANSMITTER	ON CRANK CASE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				AIR	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-200	°C					ZONE2, IIB, T3			
93	TE-2203 A	A	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A					FIELD	-															
94	TW-2203 A	A	THERMOWELL		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A					FIELD	-															
95	TI-2203 A	A	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A					UCP-A	CCR															
96																											

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	7 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
97	HSP-2203 A	A	START COMMAND HEATER CRANK CASE	HEATER CRANK CASE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
98	HST-2203 A	A	STOP COMMAND HEATER CRANK CASE	HEATER CRANK CASE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
99	XL-2203 A	A	RUNNING STATUS HEATER CRANK CASE	HEATER CRANK CASE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
100	XA-2203 A	A	FAILURE STATUS HEATER CRANK CASE	HEATER CRANK CASE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
101																											
102	HST-2200 A	A	START COMMAND HEATER LUBRICATOR	HEATER ON LUBRICATOR	PACKAGE COMPRESSOR C-1401A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
103	HSP-2200 A	A	STOP COMMAND HEATER LUBRICATOR	HEATER ON LUBRICATOR	PACKAGE COMPRESSOR C-1401A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
104	XL-2200 A	A	RUNNING STATUS HEATER LUBRICATOR	HEATER ON LUBRICATOR	PACKAGE COMPRESSOR C-1401A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
105	XA-2200 A	A	FAILURE STATUS HEATER LUBRICATOR	HEATER ON LUBRICATOR	PACKAGE COMPRESSOR C-1401A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
106																											
107	TT-2204A	A	TEMPERATURE TRANSMITTER	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	4"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-100	°C					ZONE2, IIB, T3			
108	TI-2204A	A	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
109	TW-2204A	A	THERMOWELL	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A					FIELD	-															
110	TAH-2204A	A	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
111	TAL-2204A	A	TEMPERATURE ALARM LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
112																											
113	PT-2204A	A	PRESSURE TRANSMITTER	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	2"			AIR	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-16	BARG					ZONE2, IIB, T3			
114	PI-2204A	A	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
115	PAL-2204A	A	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
116	PAH-2204A	A	PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
117	PAH2-2204A	A	PRESSURE ALARM HIGH2		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
118																											
119	PS-2204A	A	PRESSURE SWITCH	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	Field	Trip Relay UCP A				N'IS		0-16/6	BARG					ZONE2, IIB, T3			
120	PALL-2204A	A	PRESSURE ALARM LOW LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	Field	UCP-A															
121																											
122	PDT-2204 A	A	DIFF. PRESSURE TRANSMITTER	LUBE OIL FILTER	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	1"			AIR	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-6	BARG					ZONE2, IIB, T3			
123	PDI-2204 A	A	DIFF. PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
124	PDAH-2204 A	A	DIFF. PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				-	UCP-A	CCR															
125																											
126	HST-2202 A	A	START COMMAND AUX. OIL PUMP	AUX. OIL PUMP (P-2101-AP A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
127	HSP-2202 A	A	STOP COMMAND AUX. OIL PUMP	AUX. OIL PUMP (P-2101-AP A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DOR	UCP-A	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
128	XL-2202 A	A	RUNNING STATUSAUX. OIL PUMP	AUX. OIL PUMP (P-2101-AP A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			

V01

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نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)
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شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه		شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01		8 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
129	XA-2202 A	A	FAILURE STATUS AUX. OIL PUMP	AUX. OIL PUMP (P-2101-AP A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
130																											
131	HST-2201 A	A	START COMMAND LUBRICATOR. OIL PUMP	LUBRICATOR. OIL PUMP (2101-LP A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
132	HSP-2201 A	A	STOP COMMAND LUBRICATOR. OIL PUMP	LUBRICATOR. OIL PUMP (2101-LP A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DOR	UCP-A	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
133	XL-2201 A	A	RUNNING STATUS LUBRICATOR. OIL PUMP	LUBRICATOR. OIL PUMP (2101-LP A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
134	XA-2201 A	A	FAILURE STATUS LUBRICATOR. OIL PUMP	LUBRICATOR. OIL PUMP (2101-LP A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
135																											
136	HST-2205 A	A	START COMMAND LUB OIL COOLER	LUB OIL COOLER (AE-2101-OC A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
137	HSP-2205 A	A	STOP COMMAND LUB OIL COOLER	LUB OIL COOLER (AE-2101-OC A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DOR	UCP-A	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
138	XL-2205 A	A	RUNNING STATUS LUB OIL COOLER	LUB OIL COOLER (AE-2101-OC A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
139	XA-2205 A	A	FAILURE STATUS LUB OIL COOLER	LUB OIL COOLER (AE-2101-OC A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
140																											
141	PT-2210A	A	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	1"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-6	BARG					ZONE2, IIB, T3			
142	PI-2210A	A	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A				-	UCP-A	CCR															
143	PAL-2210A	A	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A				-	UCP-A	CCR															
144																											
145	PT-2211A	A	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	1"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-6	BARG					ZONE2, IIB, T3			
146	PI-2211A	A	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A				-	UCP-A	CCR															
147	PAL-2211A	A	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A				-	UCP-A	CCR															
148																											
149	HST-2220 A	A	START COMMAND WATER CONSULE COOLER	WATER CONSULE COOLER (AE-2101-WC A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
150	HSP-2220 A	A	STOP COMMAND WATER CONSULE COOLER	WATER CONSULE COOLER (AE-2101-WC A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DOR	UCP-A	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
151	XL-2220 A	A	RUNNING STATUS WATER CONSULE COOLER	WATER CONSULE COOLER (AE-2101-WC A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
152	XA-2220 A	A	FAILURE STATUS WATER CONSULE COOLER	WATER CONSULE COOLER (AE-2101-WC A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
153																											
154	HST-2221 A	A	START COMMAND AUX WATER PUMP	AUX WATER PUMP (P-2101-AX A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
155	HSP-2221 A	A	STOP COMMAND AUX WATER PUMP	AUX WATER PUMP (P-2101-AX A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DOR	UCP-A	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
156	XL-2221A	A	RUNNING STATUS AUX WATER PUMP	AUX WATER PUMP (P-2101-AX A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
157	XA-2221 A	A	FAILURE STATUS AUX WATER PUMP	AUX WATER PUMP (P-2101-AX A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
158																											
159	HST-2222 A	A	START COMMAND MAIN WATER PUMP	MAIN WATER PUMP (P-2101-WP A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
160	HSP-2222 A	A	STOP COMMAND MAIN WATER PUMP	MAIN WATER PUMP (P-2101-WP A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DOR	UCP-A	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01

Item No.	Tag Number	Unit Number	Description V01	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
161	XL-2222A	A	RUNNING STATUS MAIN WATER PUMP	MAIN WATER PUMP (P-2101-WP A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
162	XA-2222 A	A	FAILURE STATUS MAIN WATER PUMP	MAIN WATER PUMP (P-2101-WP A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
163																											
164	HST-2223 A	A	START COMMAND HEATER WATER CONSULE	WATER CONSULE COOLER HEATER (AE-2101-WC A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
165	HSP-2223 A	A	STOP COMMAND HEATER WATER CONSULE	WATER CONSULE COOLER HEATER (AE-2101-WC A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DOR	UCP-A	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
166	XL-2223A	A	RUNNING STATUS HEATER WATER CONSULE	WATER CONSULE COOLER HEATER (AE-2101-WC A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
167	XA-2223 A	A	FAILURE STATUS HEATER WATER CONSULE	WATER CONSULE COOLER HEATER (AE-2101-WC A)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
168																											
169	PT-2220A	A	PRESSURE TRANSMITTER	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A	2"			AIR	FIELD	FIELD	24VDC	-	4-20mA Hart	IS		0-16	BARG					ZONE2, IIB, T3			
170	PI-2220A	A	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				-	UCP-A	CCR															
171	PAL-2220A	A	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				-	UCP-A	CCR															
172	PAH-2220A	A	PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				-	UCP-A	CCR															
173																											
174	PT-2221A	A	PRESSURE TRANSMITTER	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A	2"			AI	FIELD	FIELD	24VDC	-	4-20mA Hart	IS		0-16	BARG					ZONE2, IIB, T3			
175	PI-2221A	A	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				-	UCP-A	CCR															
176	PAL-2221A	A	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				-	UCP-A	CCR															
177																											
178	PS-2220A	A	PRESSURE SWITCH	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A	2"			DI	Field	Trip Relay UCP A				NIS		0-16	BARG								
179	PALL-2220A	A	PRESSURE ALARM LOW LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				-	Field	UCP-A															
180																											
181	TT-2213A	A	TEMPERATURE TRANSMITTER	WATER RESERVOIR	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				AIR	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-100	°C					ZONE2, IIB, T3			
182	TE-2213A	A	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A						FIELD															
183	TW-2213A	A	THERMOWELL		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A						FIELD															
184	TI-2213A	A	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				-	UCP-A	CCR															
185	TAH-2213A	A	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				-	UCP-A	CCR															
186	TAL-2213A	A	TEMPERATURE ALARM LOW		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				-	UCP-A	CCR															
187																											
188	FT-2206A	A	FLOW TRANSMITTER	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A	2"			AI	FIELD	UCP-A	24VDC	-	4-20mA Hart	IS		0-16	BARG					ZONE2, IIB, T3			
189	FE-2221A	A	FLOW ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				-	FIELD	-															
190	FI-2221A	A	FLOW INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A				-	UCP-A	CCR															
191																											
192	HS-2239-LA	A	SELECTOR SWITCH	LOCAL MODE SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
193	HS-2239-RA	A	SELECTOR SWITCH	REMOTE MODE SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
194	HS-2230-MA	A	SELECTOR SWITCH	AUX. LUBE OIL PUMP MANU. SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
195	HS-2230-UA	A	SELECTOR SWITCH	AUX. LUBE OIL PUMP AUTO. SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
196	HS-2231-MA	A	SELECTOR SWITCH	OIL COOLER . SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
197	HS-2231-UA	A	SELECTOR SWITCH	OIL COOLER . SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
198	HS-2233-MA	A	SELECTOR SWITCH	MAIN WATER PUMP MANU SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
199	HS-2233-UA	A	SELECTOR SWITCH	MAIN WATER PUMP AUTO SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
200	HS-2234-MA	A	SELECTOR SWITCH	AUX WATER PUMP MANU SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
201	HS-2234-UA	A	SELECTOR SWITCH	AUX WATER PUMP AUTO SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
202	HS-2235-MA	A	SELECTOR SWITCH	WATER COOLER MANU SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
203	HS-2235-UA	A	SELECTOR SWITCH	WATER COOLER AUTO SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
204	HS-2236A	A	PUSH BUTTON	LAMP TEST PUSHBUTTON SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
205	HS-2237-TA	A	PUSH BUTTON	MAIN MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
206	HS-2237-PA	A	PUSH BUTTON	MAIN MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
207	HS-2238-TA	A	PUSH BUTTON	OIL HEATER ON PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
208	HS-2238-PA	A	PUSH BUTTON	OIL HEATER OFF PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
209	HS-2239-TA	A	PUSH BUTTON	AUX. LUBE OIL PUMP START PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
210	HS-2239-PA	A	PUSH BUTTON	AUX. LUBE OIL PUMP STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
211	HS-2240-TA	A	PUSH BUTTON	OIL COOLER MOTOR A START PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
212	HS-2240-PA	A	PUSH BUTTON	OIL COOLER MOTOR A STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
213	HS-2241-TA	A	PUSH BUTTON	OIL COOLER MOTOR B START PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
214	HS-2241-PA	A	PUSH BUTTON	OIL COOLER MOTOR B STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
215	HS-2242-TA	A	PUSH BUTTON	LUB L HEATER ON PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
216	HS-2242-PA	A	PUSH BUTTON	LUB HEATER OFF PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
217	HS-2243-TA	A	PUSH BUTTON	LUB MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
218	HS-2243-PA	A	PUSH BUTTON	LUB MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
219	HS-2244-TA	A	PUSH BUTTON	MAIN WATER PUMP MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
220	HS-2244-PA	A	PUSH BUTTON	MAIN WATER PUMP MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
221	HS-2245-TA	A	PUSH BUTTON	AUX WATER PUMP MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
222	HS-2245-PA	A	PUSH BUTTON	AUX WATER PUMP MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
223	HS-2246-TA	A	PUSH BUTTON	WATER HEATER ON PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
224	HS-2246-PA	A	PUSH BUTTON	WATER HEATER OFF PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره صفحه:

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
225	HS-2247-TA	A	PUSH BUTTON	WATER COOLER MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
226	HS-2247-PA	A	PUSH BUTTON	WATER COOLER MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
227	HS-2248-TA	A	PUSH BUTTON	BEARING MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
228	HS-2248-PA	A	PUSH BUTTON	BEARING MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
229	HS-2250A	A	PUSH BUTTON	RESET PUSH BUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
230	HS-2238-UA	A	SELECTOR SWITCH	OIL COOLER AUTO SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
231	HS-2240A	A	EMERGENCY SHUT DOWN	RESET PUSH BUTTON	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DI	LCP-A	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
232	XL-2230A	A	SIGNAL LAMP	OIL HEATER ACTIVE LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DO	UCP-A	LCP	24VDC	W	NO	NIS								ZONE2, IIB, T3			
233	XL-2231A	A	SIGNAL LAMP	AUX LUBE OILPUMP MOTOR START LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
234	XL-2184A	A	SIGNAL LAMP	COMMON ALARM LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
235	XL-2185A	A	SIGNAL LAMP	COMMON SHUTDOWN LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
236	XL-2232A	A	SIGNAL LAMP	LUBRICATOR OIL HEATER ON LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
237	XL-2233A	A	SIGNAL LAMP	LUBRICATOR OIL MOTOR START LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
238	XL-2234A	A	SIGNAL LAMP	MAIN MOTOR RUNNING LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
239	XL-2235A	A	SIGNAL LAMP	OIL COOLER MOTOR A RUNNING LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A	-	-	-	DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
240	XL-2236A	A	SIGNAL LAMP	OIL COOLER MOTOR B RUNNING LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
241	XL-2237A	A	SIGNAL LAMP	MAIN WATER PUMP MOTOR RUNNING LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
242	XL-2238A	A	SIGNAL LAMP	AUX WATER PUMP MOTOR RUNNING LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
243	XL-2239A	A	SIGNAL LAMP	WATER HEATER ACTIVE LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
244	XL-2240A	A	SIGNAL LAMP	WATER COOLER RUNNING LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
245	XL-2241A	A	SIGNAL LAMP	BEARRING MOTOR RUNNING LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
246	XL-2242A	A	SIGNAL LAMP	READY TO START LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
247	XL-2243A	A	SIGNAL LAMP	COMMON ALARM LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
248	XL-2244A	A	SIGNAL LAMP	COMMON SHUT DOWN LAMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 8A				DO	UCP-A	LCP-A	24VDC	W	NO	NIS								ZONE2, IIB, T3			
249																											
250	VT-2202A	A	VIBRATION TRANSMITTER	FRAME VIBRATION	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A			V01	AI	FIELD	Trip Relay UCP	24VDC	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
251	VE–2202A	A	VIBRATION ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	FIELD	-															
252	VI–2202A	A	VIBRATION INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
253	VAH-2202A	A	VIBRATION ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
254	VAHH-2202A	A	VIBRATION ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
255																											
256	VT–2200A	A	VIBRATION TRANSMITTER	FRAME VIBRATION	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A			V01	AI	FIELD	Trip Relay UCP A	24VDC	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	12 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
257	VE–2200A	A	VIBRATION ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	FIELD	-															
258	VI–2200A	A	VIBRATION INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
259	VAH-2200A	A	VIBRATION ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
260	VAHH-2200A	A	VIBRATION ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
261											V01																
262	VT-2201A	A	VIBRATION TRANSMITTER	FRAME VIBRATION	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				AI	FIELD	Trip Relay UCP A	24VDC	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
263	VE-2201A	A	VIBRATION ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	FIELD	-															
264	VI-2201A	A	VIBRATION INDICATING		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
265	VAH-2201A	A	VIBRATION ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
266	VAHH-2201A	A	VIBRATION ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
267																											
268																											
269	TE-2214A	A	RTD THERMO ELEMENT	Comp. Frame Temp. Measurment	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					FIELD			-	RTD			HOLD						ZONE2, IIB, T3			
270	TT-2214A	A	TEMPERATURE TRAMSMITTER		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				AI	FIELD	UCP-A	24VDC		4-20mA Hart	IS		HOLD									
271	TI-2214A	A	TEMPERATURE INDICATION		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
272	TAH-2214A	A	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
273																											
274	TE-2215A	A	RTD THERMO ELEMENT	Comp. Frame Temp. Measurment	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					FIELD			-	RTD			HOLD						ZONE2, IIB, T3			
275	TT-2215A	A	TEMPERATURE TRAMSMITTER		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				AI	FIELD	UCP-A	24VDC		4-20mA Hart	IS											
276	TI-2215A	A	TEMPERATURE INDICATION		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
277	TAH-2215A	A	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
278																											
279	TE-2216A	A	RTD THERMO ELEMENT	Comp. Frame Temp. Measurment	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					FI V01			-	RTD			HOLD						ZONE2, IIB, T3			
280	TT-2216A	A	TEMPERATURE TRANSMITTER		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				AI	FIELD	Trip Relay UCP A	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
281	TI-2216A	A	RTD THERMO ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					UCP-A	CCR															
282	TAH-2216A	A	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
283	TAHH-2216A	A	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					UCP-A	CCR															
284																											
285	TE-2217A	A	RTD THERMO ELEMENT	Comp. Power Bearing Temp. Measurment	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					FIEI V01			-	RTD			HOLD						ZONE2, IIB, T3			
286	TT-2217A	A	TEMPERATURET RAMSMITTER		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				AI	UCP-A	Trip Relay UCP A	24VDC		4-20mA Hart	IS											
287	TI-2217A	A	RTD THERMO ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					UCP-A	CCR															
288	TAH-2217A	A	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)
INSTRUMENT/F&G LIST

HIRGAN ENERGY — HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
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Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
289	TAHH-2217A	A	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR												ZONE2, IIB, T3			
290																											
291	TE-2218A	A	RTD THERMO ELEMENT	Comp. Power Bearing Temp. Measurment	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					V01			-	RTD			HOLD						ZONE2, IIB, T3			
292	TT-2218A	A	TEMPERATURE TRANSMITTER		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				AI	FIELD	Trip Relay UCP A	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
293	TI-2218A	A	RTD THERMO ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
294	TAH-2218A	A	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
295	TAHH-2218A	A	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
296																											
297	TE-2219A	A	RTD THERMO ELEMENT	Comp. Power Bearing Temp. Measurment	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					FIE V01			-	RTD			HOLD						ZONE2, IIB, T3			
298	TT-2219A	A	TEMPERATURE TRANSMITTER		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				AI	FIELD	Trip Relay UCP A	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
299	TI-2219A	A	TEMPERATURE TRAMSMITTER		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
300	TAH-2219A	A	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
301	TAHH-2219A	A	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
302																											
303	ZT-2201A	A	ROD DROP TRANSMITTER	Cylinder Rod Drop Detector	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				AI	FIELD	UCP-A	24VDC	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
304	ZE-2201A	A	ROD DROP ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					FIELD																
305	ZI-2201A	A	ROD DROP INDICATOR		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					UCP-A	CCR															
306	ZAH-2201A	A	ROD DROP ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
307																											
308	ZT-2200A	A	ROD DROP TRANSMITTER	LEFT Cylinder Rod Drop Detector	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				AI	FIELD	UCP-A	24VDC	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
309	ZE-2200A	A	ROD DROP ELEMENT		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					FIELD																
310	ZI-2200A	A	ROD DROP INDICATOR		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A					UCP-A	CCR															
311	ZAH-2200A	A	ROD DROP ALARM HIGH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				-	UCP-A	CCR															
312																											
313	TE-2222A	A	RTD THERMO ELEMENT	MAIN MOTOR R-PHASE WINDING TEMP.	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				AI	Motor	MCC		-	RTD	NIS		0-100	°C					ZONE2, IIB, T3			
V01 314	XL-2222A	A	RTD R TRIP FEEDBACK	MAIN MOTOR R-PHASE WINDING TEMPTRIP FEEDBACK.	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				DI	MCC	UCP-A	24VDC	-	N.O	NIS											
315																											
316	TE-2225A	A	RTD THERMO ELEMENT	MAIN MOTOR S-PHASE WINDING TEMP.	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				AI	Motor	MCC		-	RTD	NIS		0-100	°C					ZONE2, IIB, T3			
V01 317	XL-2225A	A	RTD S TRIP FEEDBACK	MAIN MOTOR S-PHASE WINDING TEMPTRIP FEEDBACK.	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				DI	MCC	UCP-A	24VDC	-	N.O	NIS											
318																											
319	TE-2228A	A	RTD THERMO ELEMENT	MAIN MOTOR T-PHASE WINDING TEMP.	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				AI	Motor	MCC		-	RTD	NIS		0-100	°C					ZONE2, IIB, T3			
V01 320	XL-2228A	A	RTD T TRIP FEEDBACK	MAIN MOTOR T-PHASE WINDING TEMPTRIP FEEDBACK.	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A				DI	MCC	UCP-A	24VDC	-	N.O	NIS											

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
321																											
322	HST-2205 A	A	START COMMAND	LOOB OIL COOLER (AE-2101-OC A/B/C)	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
323	HSP-2205 A	A	STOP COMMAND		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DOR	UCP-A	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
324	XL-2205 A	A	RUNNING STATUS		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
325	XA-2205 A	A	FAILURE STATUS		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A				DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
326							-	-	-																		
327	HST-2225 A	A	START COMMAND	MOTOR BEARING DEVICE MOTOR	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	-	-	-	DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
328	HSP-2225 A	A	STOP COMMAND		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	-	-	-	DOR	UCP-A	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
329	XL-2225 A	A	RUNNING STATUS		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	-	-	-	DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
330	XA-2225 A	A	FAULT STATUS		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	-	-	-	DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
331																											
332	HST-2224 A	A	START COMMAND	MAKE UP GAS COMPRESSOR MAIN MOTOR	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	-	-	-	DOR	UCP-A	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
333	HSP-2224 A	A	STOP COMMAND		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	-	-	-	DOR	UCP-A	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
334	XL-2224 A	A	RUNNING STATUS		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	-	-	-	DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
335	XA-2224 A	A	FAULT STATUS		PACKAGE COMPRESSOR C-2101A		-	-	-	DI	MCC	UCP-A	24VDC	D	NO	NIS								ZONE2, IIB, T3			
336																											
337	PCV-2123A	A	CONTROL VALVE	SPILL BACK VALVE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				-	UCP-A	FIELD		-			FO										
338	PCY-2123 A	A	CONTROLLER		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				AOR	UCP-A	FIELD			4-20mA	IS											
339	PCYZ-2123A	A	Feed back		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				AI	UCP-A	FIELD			4-20mA	IS											
340	CZSO-2123 A	A	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				DI	FIELD	UCP-A	24VDC			NIS											
341	CZSC-2123 A	A	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				DI	FIELD	UCP-A	24VDC			NIS											
342	PY-2123 A	A	SOLENOID VALVE		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A				DOR	UCP-A	FIELD	24VDC			NIS											
343																											
344																											
345	XV-2121A	A	INPUT ON OFF VALVE	INPUT ON OFF VALVE(CLINET SIDE)	PACKAGE COMPRESSOR C-2101 A	BK-GCS-PEDCO-120-PR-PI-0006-SHEET 1A				-	FIELD																
346	PSOV-2121A	A	ON OFF VALVE SOLENOID		PACKAGE COMPRESSOR C-2101 A	BK-GCS-PEDCO-120-PR-PI-0006-SHEET 1A				DOR	UCP-A	FIELD	24VDC	W	24VDC	NIS	FO										Valve is in client scope of supply
347	XZIC-2121A	A	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 A	BK-GCS-PEDCO-120-PR-PI-0006-SHEET 1A				DI	FIELD	UCP-B	24VDC	W	24VDC	NIS											
348	XZIO-2121A	A	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 A	BK-GCS-PEDCO-120-PR-PI-0006-SHEET 1A				DI	FIELD	UCP-B	24VDC	W	24VDC	NIS											
349																											
350	XV-2133A	A	OUTPUT OFF VALVE	OUTPUT OFF VALVE(CLINET SIDE)	PACKAGE COMPRESSOR C-2101 A	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1A				-	FIELD																Valve is in client scope of supply
351	PSOV-2233A	A	ON OFF VALVE SOLENOID		PACKAGE COMPRESSOR C-2101 A	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1A				DOR	UCP-A	FIELD	24VDC	W	24VDC	NIS	FO										
352	XZIC-2133A	A	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 A	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1A				DI	FIELD	UCP-B	24VDC	W	24VDC	NIS											

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
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Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
353	XZIO-2133A	A	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 A	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1A				DI	FIELD	UCP-B	24VDC	W	24VDC	NIS											
354																											
355	PG-2190A	A	PRESSURE GAUGE	ON SUCTION SNUBBER ON 1ST STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A						FIELD						0-16	BARG								
356	PG-2191A	A	PRESSURE GAUGE	ON DISCHARGE SNUBBER ON 1ST STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A						FIELD						0-25	BARG								
357	PG-2193A	A	PRESSURE GAUGE	ON SUCTION SNUBBER ON 2ND STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A						FIELD						0-25	BARG								
358	PG-2194A	A	PRESSURE GAUGE	ON DISCHARGE SNUBBER ON 2ND STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 2A						FIELD						0-80	BARG								
359	PG-2200A	A	PRESSURE GAUGE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	2"					FIELD						0-16	BARG								
360	PG-2201A	A	PRESSURE GAUGE	DISCHARGE OF MAIN OIL PUMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	2"					FIELD						0-16	BARG								
361	PG-2202A	A	PRESSURE GAUGE	DISCHARGE OF AUX. OIL PUMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"					FIELD						0-16	BARG								
362	PG-2204A	A	PRESSURE GAUGE	LUBE OIL FILTER DOWN STREAM	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A	2"					FIELD						0-16	BARG								
363	PG-2206A	A	PRESSURE GAUGE	MAIN COOLING WATER INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A	3/4"					FIELD						0-16	BARG								
364	PG-2205A	A	PRESSURE GAUGE	ON COLLECTION POT	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A						FIELD						0-16	BARG								
365	TG-2212A	A	TEMPERATURE GAUGE	MAIN COOLING WATER INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A						FIELD						0-100	°C								
366	TG-2210A	A	TEMPERATURE GAUGE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A	1/2"					FIELD						HOLD	HOLD								
367	TG-2211A	A	TEMPERATURE GAUGE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	1/2"					FIELD						HOLD	HOLD								
368	TG-2190A	A	TEMPERATURE GAUGE	ON SUCTION SNUBBER ON 1ST STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A						FIELD						0-100	°C								
369	TG-2193A	A	TEMPERATURE GAUGE	ON SUCTION SNUBBER ON 2ND STAGE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A						FIELD						0-120	°C								
370	TG-2201A	A	TEMPERATURE GAUGE	COOLING WATER COOLER OUTLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	1"					FIELD															
371	TG-2204A	A	TEMPERATURE GAUGE	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	2"					FIELD						0-120	°C								
372	TG-2205A	A	TEMPERATURE GAUGE	LUBE OIL COOLER COOLING WATER OUTLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	4"					FIELD						0-120	°C								
373	TG-2206A	A	TEMPERATURE GAUGE	LUBE OIL COOLER COOLING WATER INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	4"					FIELD						0-120	°C								
374	TG-2213A	A	TEMPERATURE GAUGE	LEFT CYLINDER JACKET COOLING WATER OUTLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	1"					FIELD						HOLD	HOLD								
375	TG-2214A	A	TEMPERATURE GAUGE	FT CYLINDER JACKET COOLING WATER OUTL	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	1"					FIELD						HOLD	HOLD								
376	TG-2215A	A	TEMPERATURE GAUGE	GHT CYLINDER ROD PACKING COOLING WATE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	1"					FIELD						HOLD	HOLD								
377	TG-2216A	A	TEMPERATURE GAUGE	GHT CYLINDER ROD PACKING COOLING WATE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 5A	1"					FIELD						HOLD	HOLD								
378	TG-2217A	A	TEMPERATURE GAUGE	COOLING WATER RESERVIOR	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	1"					FIELD						HOLD	HOLD								
379	SG-2200A	A	SIGHT GLASS	FT CYLINDER JACKET COOLING WATER OUTL	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	1"					FIELD						HOLD	HOLD								
380	SG-2201A	A	SIGHT GLASS	EFT CYLINDER ROD PACKING COOLING WATE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	1"					FIELD						HOLD	HOLD								
381	SG-2202A	A	SIGHT GLASS	GHT CYLINDER JACKET COOLING WATER OUTL	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 7A	1"					FIELD						HOLD	HOLD								
382	SG-2203A	A	SIGHT GLASS	GHT CYLINDER ROD PACKING COOLING WATE	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	1"					FIELD						HOLD	HOLD								
383	PDG-2204A	A	DIFF. PRESSURE GAUGE	LUBE OIL FILTER	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	1"					FIELD						0-6	BAR								
384	PDG-2200A	A	DIFF. PRESSURE GAUGE	N2 SUPPLY	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	1"					FIELD						HOLD	HOLD								
385	PDG-2205A	A	DIFF. PRESSURE GAUGE	Water SUPPLY	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	1"					FIELD						HOLD	HOLD								
386	PDG-2206A	A	DIFF. PRESSURE GAUGE	Water SUPPLY	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	1"					FIELD						HOLD	HOLD								
387	PRV-2201A	A	PRESSURE RELIEF VALVE	DISCHARGE OF AUX. OIL PUMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	2"					FIELD															
388	PRV-2200A	A	PRESSURE RELIEF VALVE	DISCHARGE OF MAIN OIL PUMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	2"					FIELD															
389	PSV-2203A	A	PRESSURE SAFETY VALVE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	HOLD					FIELD															
390	PSV-2204A	A	PRESSURE SAFETY VALVE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	HOLD					FIELD															
391	PCV-2205A	A	PRESSURE REGULATING VALVE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	1"					FIELD															
392	PCV-2206A	A	PRESSURE REGULATING VALVE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	1"					FIELD															
393	PCV-2200A	A	PRESSURE REGULATING VALVE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	2"					FIELD															
394	RV-2201A	A	RLEASE VALVE	DISCHARGE OF AUX. OIL PUMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	2"					FIELD															
395	RV-2200A	A	RLEASE VALVE	DISCHARGE OFMAIN. OIL PUMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	2"					FIELD															
396	TCV-2200A	A	Temperature Control Valve(3way)	Outlet Oil Line Lube Oil Cooler C-1401 A-E1	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	2"					FIELD															
397	TCV-2201A	A	Temperature Control Valve(3way)	COOLING WATER COOLER OUTLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	2"					FIELD															
398	RO-2200A	A	RESTRICTION ORIFICE		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 1A	1"					FIELD															
399	RO-2201A	A	RESTRICTION ORIFICE		PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	2"					FIELD															
400	RO-2203A	A	RESTRICTION ORIFICE	LUBE OIL FILTER	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 3A	1"					FIELD															
401	RO-2204A	A	RESTRICTION ORIFICE	DISCHARGE OF MAIN OIL PUMP	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	2"					FIELD															
402	FG-2200A	A	VARIABLE AREA FLOWMETER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	1/2"					FIELD						HOLD	HOLD								
403	FG-2201A	A	VARIABLE AREA FLOWMETER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	1/2"					FIELD						HOLD	HOLD								
404	FG-2202A	A	VARIABLE AREA FLOWMETER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	1/2"					FIELD						HOLD	HOLD								
405	FG-2203A	A	VARIABLE AREA FLOWMETER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101A	AK-GCS-HY-120-PR-PI-0001-SHEET 4A	1/2"					FIELD						HOLD	HOLD								

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه		شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01		16 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
1	SV-2201B	B	SOLENOID VALVE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101,2B	BK-GCS-HY-120-PR-PI-0001-SHEET 2B				DOR	UCP-B	FIELD	24VDC	W	24VDC	NIS								ZONE2, IIB, T3			
2	SV-2202B	B	SOLENOID VALVE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101,2B	BK-GCS-HY-120-PR-PI-0001-SHEET 2B				DOR	UCP-B	FIELD	24VDC	W	24VDC	NIS								ZONE2, IIB, T3			
3	SV-2203B	B	SOLENOID VALVE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101,2B	BK-GCS-HY-120-PR-PI-0001-SHEET 2B				DOR	UCP-B	FIELD	24VDC	W	24VDC	NIS								ZONE2, IIB, T3			
4																											
5	PT-2123B	B	PRESSURE TRANSMITTER	ON SUCTION SNUBBER 1S STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	8"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-16	BARG					ZONE2, IIB, T3			
6	PI-2123B	B	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
7	PAH-2123B	B	PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
8																											
9	FT-2121B	B	FLOW TRANSMITTER	ON SUCTION SNUBBER 1S STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	8"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-14000	NM3/H					ZONE2, IIB, T3			
10	FE-2121 B	B	FLOW ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	FIELD	-															
11	FI-2121 B	B	FLOW INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
12																											
13	TT-2122 B	B	TEMPERATURE TRANSMITTER	ON SUCTION SNUBBER 1S STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	8"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-100	°C					ZONE2, IIB, T3			
14	TI-2122 B	B	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
15	TE-2122B	B	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-																	
16	TW-2122 B	B	THERMOWELL		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-																	
17																											
18	PDT-2122 B	B	DIFF. PRESSURE TRANSMITTER	STRAINER FILTER	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	1"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-1	BARG					ZONE2, IIB, T3			
19	PDI-2122 B	B	DIFF. PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
20	PDAH-2122 B	B	DIFF. PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
21																											
22	PT-2192 A/BB	B	PRESSURE TRANSMITTER	ON DISCHARGE SNUBBER 1ST STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	6"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-40	BARG					ZONE2, IIB, T3			
23	PI-2192 A/BB	B	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
24	PAH-2192 A/BB	B	PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
25																											
26	TT-2192 B	B	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 1ST STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	6"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-200	°C					ZONE2, IIB, T3			
27	TE-2191 B	B	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B					FIELD	-															
28	TW-2191 B	B	THERMOWELL		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B					FIELD	-															
29	TI-2192 B	B	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
30																											
31	TT-2191 B	B	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 1ST STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-200	°C					ZONE2, IIB, T3			
32	TI-2191B	B	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره صفحه:

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
33	TAH-2191B	B	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
34		B									V01																
35	TS-2191B	B	TEMPERATURE SWITCH	ON DISCHARGE SNUBBER 1ST STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				DI	FIELD	Trip Relay UCP B	24VDC		NC	N'IS		0-200/160	°C								
36	TAHH-2191B	B	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	-	-	-		FIELD	UCP-B	24VDC														
37																											
38	TT-2194 B	B	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				AI	FIELD	CCR	24VDC	-	4-20mA Hart	IS		0-200	°C					ZONE2, IIB, T3			
39	TE-2194 B	B	THERMO ELEMENT		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B					FIELD	-															
40	TW-2194 B	B	THERMOWELL		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B					FIELD	-															
41	TI-2194 B	B	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
42	TAH-2194 B	B	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
43		B									V01																
44	TS-2194 B	B	TEMPERATURE SWITCH	ON DISCHARGE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				DI	FIELD	Trip Relay UCP B				N'IS											
45	TAHH-2194 B	B	TEMPERATURE ALARAM HIGH HIGH		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	FIELD	UCP															
46																											
47	PT-2124 B	B	PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	6"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-80	BARG					ZONE2, IIB, T3			
48	PI-2124 B	B	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
49	PAHH-2124 B	B	PRESSURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
50		B									V01																
51	PS-2195 B	B	PRESSURE SWITCH	ON DISCHARGE LINE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	6"			DI	FIELD	Trip Relay UCP B				N'IS											
52	PAHH-2195 B	B	PRESSURE Trip HIGH HIGH		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	FIELD	UCP-B															
53																											
54	TT-2123 B	B	TEMPERATURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	6"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-200	°C					ZONE2, IIB, T3			
55	TE-2123 B	B	THERMO ELEMENT		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B					-	FIELD															
56	TW2123 B	B	THERMOWELL		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B					-	FIELD															
57	TI-2123 B	B	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
58		B																									
59	PT-2197B	B	PRESSURE TRANSMITTER	ON SUCTION SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	6"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-40	BARG					ZONE2, IIB, T3			
60	PI-2197 B	B	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
61																											
62	FT-2197B	B	FLOW TRANSMITTER	ON SUCTION SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	6"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-14000	NM3/H					ZONE2, IIB, T3			
63	FE-2197B	B	FLOW ELEMENT		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	FIELD	-															
64	FI-2197B	B	FLOW INDICATING		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															

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نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)
INSTRUMENT/F&G LIST

HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
65																											
66	TT-2197B	B	TEMPERATURE TRANSMITTER	ON SUCTION SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	6"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-100	°C					ZONE2, IIB, T3			
67	TE-2197B	B	THERMO ELEMENT		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	-	FIELD															
68	TW-2197B	B	THERMOWELL		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B					-	FIELD															
69	TI-2197B	B	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B					UCP-B	CCR															
70																											
71	PDT-2197B	B	DIFF. PRESSURE TRANSMITTER	STRAINER FILTER 2ND STAGE	PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	1"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-6	BARG					ZONE2, IIB, T3			
72	PDI-2197B	B	DIFF. PRESSURE INDICATING		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
73	PDAH-2197B	B	DIFF. PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2102B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	CCR															
74																											
75	PT-2201B	B	PRESSURE TRANSMITTER	ON INSTRUMENT LINE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 2B	2"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
76	PI-2201B	B	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 2B				-	UCP-B	CCR															
77	PAL-2201B	B	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 2B				-	UCP-B	CCR															
78																											
79	PT-2200 B	B	PRESSURE TRANSMITTER	ON LUBRICATOR	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
80	PI-2200 B	B	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
81	PAL-2200 B	B	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
82		B																									
83	LT-2200 B	B	LEVEL TRANSMITTER	ON CRANK CASE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
84	LI-2200 B	B	LEVEL INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
85	LAL-2200 B	B	LEVEL ALARM LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
86											V01																
87	LT-2213 B	B	LEVEL TRANSMITTER	WATER RESERVOIR	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				AI	FIELD	Trip Relay UCP B	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
88	LI-2213 B	B	LEVEL INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
89	LAL-2213 B	B	LEVEL ALARM LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
90	LALL-2213 B	B	LEVEL ALARM LOW LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
91																											
92	TT-2203 B	B	TEMPERATURE TRANSMITTER	ON CRANK CASE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				AIR	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-200	°C					ZONE2, IIB, T3			
93	TE-2203 B	B	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B					FIELD	-															
94	TW-2203 B	B	THERMOWELL		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B					FIELD	-															
95	TI-2203 B	B	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B					UCP-B	CCR															
96																											

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)
INSTRUMENT/F&G LIST

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
97	HSP-2203 B	B	START COMMAND HEATER CRANK CASE	START COMMAND HEATER CRANK CASE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
98	HST-2203 B	B	STOP COMMAND HEATER CRANK CASE	STOP COMMAND HEATER CRANK CASE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
99	XL-2203 B	B	RUNNING STATUS HEATER CRANK CASE	RUNNING STATUS HEATER CRANK CASE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
100	XA-2203 B	B	FAILURE STATUS HEATER CRANK CASE	FAILURE STATUS HEATER CRANK CASE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
101																											
102	HST-2200 B	B	START COMMAND HEATER LUBRICATOR	HEATER ON LUBRICATOR	PACKAGE COMPRESSOR C-1401B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
103	HSP-2200 B	B	STOP COMMAND HEATER LUBRICATOR	HEATER ON LUBRICATOR	PACKAGE COMPRESSOR C-1401B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
104	XL-2200 B	B	RUNNING STATUS HEATER LUBRICATOR	HEATER ON LUBRICATOR	PACKAGE COMPRESSOR C-1401B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
105	XA-2200 B	B	FAILURE STATUS HEATER LUBRICATOR	HEATER ON LUBRICATOR	PACKAGE COMPRESSOR C-1401B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
106																											
107	TT-2204B	B	TEMPERATURE TRANSMITTER	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	4"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-100	°C					ZONE2, IIB, T3			
108	TI-2204B	B	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
109	TW-2204B	B	THERMOWELL	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B					FIELD	-															
110	TAH-2204B	B	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
111	TAL-2204B	B	TEMPERATURE ALARM LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
112																											
113	PT-2204B	B	PRESSURE TRANSMITTER	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	2"			AIR	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-16	BARG					ZONE2, IIB, T3			
114	PI-2204B	B	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
115	PAL-2204B	B	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
116	PAH-2204B	B	PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
117	PAH2-2204B	B	PRESSURE ALARM HIGH2		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
118																											
119	PS-2204B	B	PRESSURE SWITCH	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	Field	Trip Relay UCP B				N'IS		0-16/6	BARG					ZONE2, IIB, T3			
120	PALL-2204B	B	PRESSURE ALARM LOW LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	Field	UCP-B															
121																											
122	PDT-2204 B	B	DIFF. PRESSURE TRANSMITTER	LUBE OIL FILTER	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	1"			AIR	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-6	BARG					ZONE2, IIB, T3			
123	PDI-2204 B	B	DIFF. PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
124	PDAH-2204 B	B	DIFF. PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				-	UCP-B	CCR															
125		B																									
126	HST-2202 B	B	START COMMAND AUX. OIL PUMP	AUX. OIL PUMP (P-2101-AP B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
127	HSP-2202 B	B	STOP COMMAND AUX. OIL PUMP	AUX. OIL PUMP (P-2101-AP B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DOR	UCP-B	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
128	XL-2202 B	B	RUNNING STATUSAUX. OIL PUMP	AUX. OIL PUMP (P-2101-AP B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	20 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
129	XA-2202 B	B	FAILURE STATUS AUX. OIL PUMP	AUX. OIL PUMP (P-2101-AP B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
130																											
131	HST-2201 B	B	START COMMAND LUBRICATOR. OIL PUMP	LUBRICATOR. OIL PUMP (2101-LP B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
132	HSP-2201 B	B	STOP COMMAND LUBRICATOR. OIL PUMP	LUBRICATOR. OIL PUMP (2101-LP B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DOR	UCP-B	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
133	XL-2201 B	B	RUNNING STATUS LUBRICATOR. OIL PUMP	LUBRICATOR. OIL PUMP (2101-LP B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
134	XA-2201 B	B	FAILURE STATUS LUBRICATOR. OIL PUMP	LUBRICATOR. OIL PUMP (2101-LP B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
135																											
136	HST-2205 B	B	START COMMAND LUB OIL COOLER	LUB OIL COOLER (AE-2101-OC B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
137	HSP-2205 B	B	STOP COMMAND LUB OIL COOLER	LUB OIL COOLER (AE-2101-OC B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DOR	UCP-B	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
138	XL-2205 B	B	RUNNING STATUS LUB OIL COOLER	LUB OIL COOLER (AE-2101-OC B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
139	XA-2205 B	B	FAILURE STATUS LUB OIL COOLER	LUB OIL COOLER (AE-2101-OC B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
140																											
141	PT-2210B	B	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	1"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-6	BARG					ZONE2, IIB, T3			
142	PI-2210B	B	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B				-	UCP-B	CCR															
143	PAL-2210B	B	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B				-	UCP-B	CCR															
144																											
145	PT-2211B	B	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	1"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-6	BARG					ZONE2, IIB, T3			
146	PI-2211B	B	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B				-	UCP-B	CCR															
147	PAL-2211B	B	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B				-	UCP-B	CCR															
148																											
V01 9	HST-2220 B	B	START COMMAND WATER CONSULE COOLER	WATER CONSULE COOLER (AE-2101-WC B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
150	HSP-2220 B	B	STOP COMMAND WATER CONSULE COOLER	WATER CONSULE COOLER (AE-2101-WC B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DOR	UCP-B	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
151	XL-2220 B	B	RUNNING STATUS WATER CONSULE COOLER	WATER CONSULE COOLER (AE-2101-WC B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
152	XA-2220 B	B	FAILURE STATUS WATER CONSULE COOLER	WATER CONSULE COOLER (AE-2101-WC B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
153																											
154	HST-2221 B	B	START COMMAND AUX WATER PUMP	AUX WATER PUMP (P-2101-AX B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
V01 55	HSP-2221 B	B	STOT COMMAND AUX WATER PUMP	AUX WATER PUMP (P-2101-AX B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DOR	UCP-B	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
156	XL-2221B	B	RUNNING STATUS AUX WATER PUMP	AUX WATER PUMP (P-2101-AX B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
157	XA-2221 B	B	FAILURE STATUS AUX WATER PUMP	AUX WATER PUMP (P-2101-AX B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
158																											
V01	HST-2222 B	B	START COMMAND MAIN WATER PUMP	MAIN WATER PUMP (P-2101-WP B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
160	HSP-2222 B	B	STOP COMMAND MAIN WATER PUMP	MAIN WATER PUMP (P-2101-WP B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DOR	UCP-B	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	

Item No.	Tag Number	Unit Number	Description V01	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
161	XL-2222B	B	RUNNING STATUS MAIN WATER PUMP	MAIN WATER PUMP (P-2101-WP B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
162	XA-2222 B	B	FAILURE STATUS MAIN WATER PUMP	MAIN WATER PUMP (P-2101-WP B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
163																											
164	HST-2223 B	B	START COMMAND HEATER WATER CONSULE	WATER CONSULE COOLER HEATER (AE-2101-WC B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
165	HSP-2223 B	B	STOP COMMAND HEATER WATER CONSULE	WATER CONSULE COOLER HEATER (AE-2101-WC B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DOR	UCP-B	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
166	XL-2223B	B	RUNNING STATUS HEATER WATER CONSULE	WATER CONSULE COOLER HEATER (AE-2101-WC B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
167	XA-2223 B	B	FAILURE STATUS HEATER WATER CONSULE	WATER CONSULE COOLER HEATER (AE-2101-WC B)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
168																											
169	PT-2220B	B	PRESSURE TRANSMITTER	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B	2"			AIR	FIELD	FIELD	24VDC	-	4-20mA Hart	IS		0-16	BARG					ZONE2, IIB, T3			
170	PI-2220B	B	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				-	UCP-B	CCR															
171	PAL-2220B	B	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				-	UCP-B	CCR															
172	PAH-2220B	B	PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				-	UCP-B	CCR															
173																											
174	PT-2221B	B	PRESSURE TRANSMITTER	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B	2"			AI	FIELD	FIELD	24VDC	-	4-20mA Hart	IS		0-16	BARG					ZONE2, IIB, T3			
175	PI-2221B	B	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				-	UCP-B	CCR															
176	PAL-2221B	B	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				-	UCP-B	CCR															
177																											
178	PS-2220B	B	PRESSURE SWITCH	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B	2"			DI	Field	USD				N'IS		0-16	BARG								
179	PALL-2220B	B	PRESSURE ALARM LOW LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				-	Field	UCP-B															
180																											
181	TT-2213B	B	TEMPERATURE TRANSMITTER	WATER RESERVOIR	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				AIR	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-100	°C					ZONE2, IIB, T3			
182	TE-2213B	B	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B						FIELD															
183	TW-2213B	B	THERMOWELL		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B						FIELD															
184	TI-2213B	B	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				-	UCP-B	CCR															
185	TAH-2213B	B	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				-	UCP-B	CCR															
186	TAL-2213B	B	TEMPERATURE ALARM LOW		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				-	UCP-B	CCR															
187																											
188	FT-2206B	B	FLOW TRANSMITTER	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B	2"			AI	FIELD	UCP-B	24VDC	-	4-20mA Hart	IS		0-16	BARG					ZONE2, IIB, T3			
189	FE-2221B	B	FLOW ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				-	FIELD	-															
190	FI-2221B	B	FLOW INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B				-	UCP-B	CCR															
191																											
192	HS-2239-LB	B	SELECTOR SWITCH	LOCAL MODE SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)
INSTRUMENT/F&G LIST

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	22 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
193	HS-2239-RB	B	SELECTOR SWITCH	REMOTE MODE SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
194	HS-2230-MB	B	SELECTOR SWITCH	AUX. LUBE OIL PUMP MANU. SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
195	HS-2230-UB	B	SELECTOR SWITCH	AUX. LUBE OIL PUMP AUTO. SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
196	HS-2231-MB	B	SELECTOR SWITCH	OIL COOLER . SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
197	HS-2231-UB	B	SELECTOR SWITCH	OIL COOLER . SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
198	HS-2233-MB	B	SELECTOR SWITCH	MAIN WATER PUMP MANU SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
199	HS-2233-UB	B	SELECTOR SWITCH	MAIN WATER PUMP AUTO SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
200	HS-2234-MB	B	SELECTOR SWITCH	AUX WATER PUMP MANU SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
201	HS-2234-UB	B	SELECTOR SWITCH	AUX WATER PUMP AUTO SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
202	HS-2235-MB	B	SELECTOR SWITCH	WATER COOLER MANU SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
203	HS-2235-UB	B	SELECTOR SWITCH	WATER COOLER AUTO SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
204	HS-2236B	B	PUSH BUTTON	LAMP TEST PUSHBUTTON SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
205	HS-2237-TB	B	PUSH BUTTON	MAIN MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
206	HS-2237-PB	B	PUSH BUTTON	MAIN MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
207	HS-2238-TB	B	PUSH BUTTON	OIL HEATER ON PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
208	HS-2238-PB	B	PUSH BUTTON	OIL HEATER OFF PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
209	HS-2239-TB	B	PUSH BUTTON	AUX. LUBE OIL PUMP START PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
210	HS-2239-PB	B	PUSH BUTTON	AUX. LUBE OIL PUMP STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
211	HS-2240-TB	B	PUSH BUTTON	OIL COOLER MOTOR A START PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
212	HS-2240-PB	B	PUSH BUTTON	OIL COOLER MOTOR A STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
213	HS-2241-TB	B	PUSH BUTTON	OIL COOLER MOTOR B START PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
214	HS-2241-PB	B	PUSH BUTTON	OIL COOLER MOTOR B STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
215	HS-2242-TB	B	PUSH BUTTON	LUB L HEATER ON PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
216	HS-2242-PB	B	PUSH BUTTON	LUB HEATER OFF PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
217	HS-2243-TB	B	PUSH BUTTON	LUB MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
218	HS-2243-PB	B	PUSH BUTTON	LUB MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
219	HS-2244-TB	B	PUSH BUTTON	MAIN WATER PUMP MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
220	HS-2244-PB	B	PUSH BUTTON	MAIN WATER PUMP MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
221	HS-2245-TB	B	PUSH BUTTON	AUX WATER PUMP MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
222	HS-2245-PB	B	PUSH BUTTON	AUX WATER PUMP MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
223	HS-2246-TB	B	PUSH BUTTON	WATER HEATER ON PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
224	HS-2246-PB	B	PUSH BUTTON	WATER HEATER OFF PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	23 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
225	HS-2247-TB	B	PUSH BUTTON	WATER COOLER MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
226	HS-2247-PB	B	PUSH BUTTON	WATER COOLER MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
227	HS-2248-TB	B	PUSH BUTTON	BEARING MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
228	HS-2248-PB	B	PUSH BUTTON	BEARING MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
229	HS-2250B	B	PUSH BUTTON	RESET PUSH BUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
230	HS-2238-UB	B	SELECTOR SWITCH	OIL COOLER AUTO SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
231	HS-2240B	B	EMERGENCY SHUT DOWN	RESET PUSH BUTTON	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DI	LCP-B	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
232	XL-2230B	B	SIGNAL LAMP	OIL HEATER ACTIVE LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
233	XL-2231B	B	SIGNAL LAMP	AUX LUBE OILPUMP MOTOR START LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
234	XL-2184B	B	SIGNAL LAMP	COMMON ALARM LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
235	XL-2185B	B	SIGNAL LAMP	COMMON SHUTDOWN LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
236	XL-2232B	B	SIGNAL LAMP	LUBRICATOR OIL HEATER ON LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
237	XL-2233B	B	SIGNAL LAMP	LUBRICATOR OIL MOTOR START LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
238	XL-2234B	B	SIGNAL LAMP	MAIN MOTOR RUNNING LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
239	XL-2235B	B	SIGNAL LAMP	OIL COOLER MOTOR A RUNNING LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B	-	-	-	DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
240	XL-2236B	B	SIGNAL LAMP	OIL COOLER MOTOR B RUNNING LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
241	XL-2237B	B	SIGNAL LAMP	MAIN WATER PUMP MOTOR RUNNING LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
242	XL-2238B	B	SIGNAL LAMP	AUX WATER PUMP MOTOR RUNNING LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
243	XL-2239B	B	SIGNAL LAMP	WATER HEATER ACTIVE LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
244	XL-2240B	B	SIGNAL LAMP	WATER COOLER RUNNING LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
245	XL-2241B	B	SIGNAL LAMP	BEARRING MOTOR RUNNING LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
246	XL-2242B	B	SIGNAL LAMP	READY TO START LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
247	XL-2243B	B	SIGNAL LAMP	COMMON ALARM LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
248	XL-2244B	B	SIGNAL LAMP	COMMON SHUT DOWN LAMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 8B				DO	UCP-B	LCP-B	24VDC	W	NO	NIS								ZONE2, IIB, T3			
249																											
250	VT-2202B	B	VIBRATION TRANSMITTER	FRAME VIBRATION	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B		V01		AI	FIELD	Trip Relay UCP B	24VDC	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
251	VE–2202B	B	VIBRATION ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	FIELD	-															
252	VI–2202B	B	VIBRATION INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
253	VAH-2202B	B	VIBRATION ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
254	VAHH-2202B	B	VIBRATION ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	UCP-B	CCR															
255								V01																			
256	VT–2200B	B	VIBRATION TRANSMITTER	FRAME VIBRATION	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	FIELD	Trip Relay UCP B	24VDC	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
257	VE–2200B	B	VIBRATION ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	FIELD	-															
258	VI–2200B	B	VIBRATION INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
259	VAH-2200B	B	VIBRATION ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
260	VAHH-2200B	B	VIBRATION ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B		V01		AI	UCP-B	CCR															
261																											
262	VT-2201B	B	VIBRATION TRANSMITTER	FRAME VIBRATION	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	FIELD	Trip Relay UCP B	24VDC	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
263	VE-2201B	B	VIBRATION ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	FIELD	-															
264	VI-2201B	B	VIBRATION INDICATING		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
265	VAH-2201B	B	VIBRATION ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
266	VAHH-2201B	B	VIBRATION ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B		V01		AI	UCP-B	CCR															
267																											
268	TE-2214B	B	RTD THERMO ELEMENT	Comp. Frame Temp. Measurment	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B					FIELD			-	RTD			HOLD						ZONE2, IIB, T3			
269	TT-2214B	B	TEMPERATURE TRAMSMITTER		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	FIELD	UCP-B	24VDC		4-20mA Hart	IS		HOLD									
270	TI-2214B	B	TEMPERATURE INDICATION		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
271	TAH-2214B	B	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
272		B																									
273	TE-2215B	B	RTD THERMO ELEMENT	Comp. Frame Temp. Measurment	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B					FIELD			-	RTD			HOLD						ZONE2, IIB, T3			
274	TT-2215B	B	TEMPERATURE TRAMSMITTER		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	FIELD	UCP-B	24VDC		4-20mA Hart	IS											
275	TI-2215B	B	TEMPERATURE INDICATION		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
276	TAH-2215B	B	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
277																											
278	TE-2216B	B	RTD THERMO ELEMENT	Comp. Frame Temp. Measurment	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B		V01			FIELD			-	RTD			HOLD						ZONE2, IIB, T3			
279	TT-2216B	B	TEMPERATURE TRANSMITTER		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	FIELD	Trip Relay UCP B	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
280	TI-2216B	B	RTD THERMO ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B					UCP-B	CCR															
281	TAH-2216B	B	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
282	TAHH-2216B	B	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B					UCP-B	CCR															
283																											
284	TE-2217B	B	RTD THERMO ELEMENT	Comp. Power Bearing Temp. Measurment	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B		V01			FIELD			-	RTD			HOLD						ZONE2, IIB, T3			
285	TT-2217B	B	TEMPERATURET RAMSMITTER		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	UCP-B	Trip Relay UCP B	24VDC		4-20mA Hart	IS											
286	TI-2217B	B	RTD THERMO ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B					UCP-B	CCR															
287	TAH-2217B	B	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
288	TAHH-2217B	B	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
289																											
290	TE-2218B	B	RTD THERMO ELEMENT	Comp. Power Bearing Temp. Measurment	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B			V01		FIELD			-	RTD			HOLD						ZONE2, IIB, T3			
291	TT-2218B	B	TEMPERATURE TRANSMITTER		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	FIELD	Trip Relay UCP B	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
292	TI-2218B	B	RTD THERMO ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
293	TAH-2218B	B	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
294	TAHH-2218B	B	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
295																											
296	TE-2219B	B	RTD THERMO ELEMENT	Comp. Power Bearing Temp. Measurment	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B		V01			FIELD			-	RTD			HOLD						ZONE2, IIB, T3			
297	TT-2219B	B	TEMPERATURE TRANSMITTER		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	FIELD	Trip Relay UCP B	24VDC	-	4-20mA Hart	IS		HOLD	HOLD					ZONE2, IIB, T3			
298	TI-2219B	B	TEMPERATURE TRAMSMITTER		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
299	TAH-2219B	B	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
300	TAHH-2219B	B	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
301																											
302	ZT-2201B	B	ROD DROP TRANSMITTER	Cylinder Rod Drop Detector	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	FIELD	UCP-B	24VDC	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
303	ZE-2201B	B	ROD DROP ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B					FIELD																
304	ZI-2201B	B	ROD DROP INDICATOR		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B					UCP-B	CCR															
305	ZAH-2201B	B	ROD DROP ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
306																											
307	ZT-2200B	B	ROD DROP TRANSMITTER	LEFT Cylinder Rod Drop Detector	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	FIELD	UCP-B	24VDC	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
308	ZE-2200B	B	ROD DROP ELEMENT		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B					FIELD																
309	ZI-2200B	B	ROD DROP INDICATOR		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B					UCP-B	CCR															
310	ZAH-2200B	B	ROD DROP ALARM HIGH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				-	UCP-B	CCR															
311																											
V01 2	TE-2222B	B	RTD THERMO ELEMENT	MAIN MOTOR R-PHASE WINDING TEMP.	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	Motor	MCC	24VDC	-	RTD	NIS		1-100	°C					ZONE2, IIB, T3			
314	XL-2222B	B	RTD R TRIP FEEDBACK	MAIN MOTOR R-PHASE WINDING TEMPTRIP FEEDBACK.	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				DI	MCC	UCP-B	24VDC	-	N.O	NIS											
314																											
V01 315	TE-2225B	B	RTD THERMO ELEMENT	MAIN MOTOR S-PHASE WINDING TEMP.	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	Motor	MCC	24VDC	-	RTD	NIS		0-100	°C					ZONE2, IIB, T3			
314	XL-2225B	B	RTD S TRIP FEEDBACK	MAIN MOTOR S-PHASE WINDING TEMPTRIP FEEDBACK.	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				DI	MCC	UCP-B	24VDC	-	N.O	NIS											
317																											
V01 18	TE-2228B	B	RTD THERMO ELEMENT	MAIN MOTOR T-PHASE WINDING TEMP.	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				AI	Motor	MCC	24VDC	-	RTD	NIS		0-100	°C					ZONE2, IIB, T3			
314	XL-2228B	B	RTD T TRIP FEEDBACK	MAIN MOTOR T-PHASE WINDING TEMPTRIP FEEDBACK.	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				DI	MCC	UCP-B	24VDC	-	N.O	NIS											
320																											

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
321	HST-2205 B	B	START COMMAND	LOOB OIL COOLER (AE-2101-OC A/B/C)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
322	HSP-2205 B	B	STOP COMMAND		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DOR	UCP-B	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
323	XL-2205 B	B	RUNNING STATUS		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
324	XA-2205 B	B	FAILURE STATUS		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B				DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
325		B																									
326	HST-2225 B	B	START COMMAND	MOTOR BEARING DEVICE MOTOR	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	-	-	-	DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
327	HSP-2225 B	B	STOP COMMAND		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	-	-	-	DOR	UCP-B	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
328	XL-2225 B	B	RUNNING STATUS		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	-	-	-	DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
329	XA-2225 B	B	FAULT STATUS		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	-	-	-	DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
330		B																									
331	HST-2224 B	B	START COMMAND	MAKE UP GAS COMPRESSOR MAIN MOTOR	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	-	-	-	DOR	UCP-B	MCC	24VDC	D	NO	NIS								ZONE2, IIB, T3			
332	HSP-2224 B	B	STOP COMMAND		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	-	-	-	DOR	UCP-B	MCC	24VDC	D	NC	NIS								ZONE2, IIB, T3			
333	XL-2224 B	B	RUNNING STATUS		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	-	-	-	DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
334	XA-2224 B	B	FAULT STATUS		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	-	-	-	DI	MCC	UCP-B	24VDC	D	NO	NIS								ZONE2, IIB, T3			
335		B																									
336	PCV-2123B	B	CONTROL VALVE	SPILL BACK VALVE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	UCP-B	FIELD		-			FO										
337	PCY-2123 B	B	CONTROLLER		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				AOR	UCP-B	FIELD			4-20mA	IS											
339	PCYZ-2123B	B	Feed back		PACKAGE COMPRESSOR C-2101A	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				AI	UCP-A	FIELD			4-20mA	IS											
338	CZSO-2123 B	B	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				DI	FIELD	UCP-B	24VDC			NIS											
339	CZSC-2123 B	B	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				DI	FIELD	UCP-B	24VDC			NIS											
340	PY-2123 B	B	SOLENOID VALVE		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				DOR	UCP-B	FIELD	24VDC			NIS											
341																											
345	XV-2121B	B	INPUT ON OFF VALVE	INPUT ON OFF VALVE(CLINET SIDE)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	FIELD																
346	PSOV-2121B	B	ON OFF VALVE SOLENOID		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				DOR	UCP-B	FIELD	24VDC	W	24VDC	NIS	FO										Valve is in client scope of supply
347	XZIC-2121B	B	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				DI	FIELD	UCP-B	24VDC	W	24VDC	NIS											
348	XZIO-2121B	B	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				DI	FIELD	UCP-B	24VDC	W	24VDC	NIS											
349																											
350	XV-2133B	B	OUTPUT OFF VALVE	OUTPUT OFF VALVE(CLINET SIDE)	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				-	FIELD																Valve is in client scope of supply
351	PSOV-2233B	B	ON OFF VALVE SOLENOID		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				DOR	UCP-A	FIELD	24VDC	W	24VDC	NIS	FO										
352	XZIC-2133B	B	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				DI	FIELD	UCP-B	24VDC	W	24VDC	NIS											
353	XZIO-2133B	B	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B				DI	FIELD	UCP-B	24VDC	W	24VDC	NIS											

NISOC

HAVAYAR INDUSTRIAL GROUP

HIRGAN ENERGY

خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	27 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
342	XV-2121B	B	ON OFF VALVE	INPUT ON OFF VALVE(CLINET SIDE)	PACKAGE COMPRESSOR C-2101 B	BK-GCS-PEDCO-120-PR-PI-0006-SHEET 1B					FIELD																
343	PSOV-2121B	B	ON OFF VALVE SOLENOID		PACKAGE COMPRESSOR C-2101 B	BK-GCS-PEDCO-120-PR-PI-0006-SHEET 1B				DOR	UCP-B	FIELD	24VDC	W	24VDC	NIS	FO										
344	XZIC-2121B	B	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 B	BK-GCS-PEDCO-120-PR-PI-0006-SHEET 1B				DI	FIELD	UCP-B	24VDC	W	24VDC	NIS											
345	XZIO-2121B	B	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 B	BK-GCS-PEDCO-120-PR-PI-0006-SHEET 1B				DI	FIELD	UCP-B	24VDC	W	24VDC	NIS											
346																											
347	XV-2133B	B	ON OFF VALVE	OUTPUT OFF VALVE(CLINET SIDE)	PACKAGE COMPRESSOR C-2101 B	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1B					FIELD																
348	PSOV-2233B	B	ON OFF VALVE SOLENOID		PACKAGE COMPRESSOR C-2101 B	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1B				DOR	UCP-B	FIELD	24VDC	W	24VDC	NIS	FO										
349	XZIC-2133B	B	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 B	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1B				DI	FIELD	UCP-B	24VDC	W	24VDC	NIS											
350	XZIO-2133B	B	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 B	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1B				DI	FIELD	UCP-B	24VDC	W	24VDC	NIS											
346										DI					24VDC	NIS											
347	XV-2133B	B	ON OFF VALVE	OUTPUT OFF VALVE(CLINET SIDE)	PACKAGE COMPRESSOR C-2101 B	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1B				DI	FIELD				24VDC	NIS											
348	PSOV-2233B	B	ON OFF VALVE SOLENOID		PACKAGE COMPRESSOR C-2101 B	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1B					UCP-B	FIELD	24VDC	W			FO										
349	XZIC-2133B	B	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 B	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1B				-	FIELD	UCP-B	24VDC	W													
350	XZIO-2133B	B	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 B	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1B				DOR	FIELD	UCP-B	24VDC	W	24VDC	NIS											
351	PG-2190B	B	PRESSURE GAUGE	ON SUCTION SNUBBER ON 1ST STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B						FIELD						0-16	BARG								
352	PG-2191B	B	PRESSURE GAUGE	ON DISCHARGE SNUBBER ON 1ST STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B						FIELD						0-25	BARG								
353	PG-2193B	B	PRESSURE GAUGE	ON SUCTION SNUBBER ON 2ND STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B						FIELD						0-25	BARG								
354	PG-2194B	B	PRESSURE GAUGE	ON DISCHARGE SNUBBER ON 2ND STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 2B						FIELD						0-80	BARG								
355	PG-2200B	B	PRESSURE GAUGE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	2"					FIELD						0-16	BARG								
356	PG-2201B	B	PRESSURE GAUGE	DISCHARGE OF MAIN OIL PUMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	2"					FIELD						0-16	BARG								
357	PG-2202B	B	PRESSURE GAUGE	DISCHARGE OF AUX. OIL PUMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"					FIELD						0-16	BARG								
358	PG-2204B	B	PRESSURE GAUGE	LUBE OIL FILTER DOWN STREAM	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B	2"					FIELD						0-16	BARG								
359	PG-2206B	B	PRESSURE GAUGE	MAIN COOLING WATER INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B	3/4"					FIELD						0-16	BARG								
360	PG-2205B	B	PRESSURE GAUGE	ON COLLECTION POT	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B						FIELD						0-16	BARG								
361	TG-2212B	B	TEMPERATURE GAUGE	MAIN COOLING WATER INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B						FIELD						0-100	°C								
362	TG-2210B	B	TEMPERATURE GAUGE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B	1/2"					FIELD						HOLD	HOLD								
363	TG-2211B	B	TEMPERATURE GAUGE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	1/2"					FIELD						HOLD	HOLD								
364	TG-2190B	B	TEMPERATURE GAUGE	ON SUCTION SNUBBER ON 1ST STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B						FIELD						0-100	°C								
365	TG-2193B	B	TEMPERATURE GAUGE	ON SUCTION SNUBBER ON 2ND STAGE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B						FIELD						0-120	°C								
366	TG-2201B	B	TEMPERATURE GAUGE	COOLING WATER COOLER OUTLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	1"					FIELD															
367	TG-2204B	B	TEMPERATURE GAUGE	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	2"					FIELD						0-120	°C								
368	TG-2205B	B	TEMPERATURE GAUGE	UBE OIL COOLER COOLING WATER OUTLE	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	4"					FIELD						0-120	°C								

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
369	TG-2206B	B	TEMPERATURE GAUGE	LUBE OIL COOLER COOLING WATER INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	4"					FIELD						0-120	°C								
370	TG-2213B	B	TEMPERATURE GAUGE	LEFT CYLINDER JACKET COOLING WATER OUTLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	1"					FIELD						HOLD	HOLD								
371	TG-2214B	B	TEMPERATURE GAUGE	T CYLINDER JACKET COOLING WATER OUT	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	1"					FIELD						HOLD	HOLD								
372	TG-2215B	B	TEMPERATURE GAUGE	HT CYLINDER ROD PACKING COOLING WA	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	1"					FIELD						HOLD	HOLD								
373	TG-2216B	B	TEMPERATURE GAUGE	HT CYLINDER ROD PACKING COOLING WA	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 5B	1"					FIELD						HOLD	HOLD								
374	TG-2217B	B	TEMPERATURE GAUGE	COOLING WATER RESERVIOR	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	1"					FIELD						HOLD	HOLD								
375	SG-2200B	B	SIGHT GLASS	T CYLINDER JACKET COOLING WATER OUT	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	1"					FIELD						HOLD	HOLD								
376	SG-2201B	B	SIGHT GLASS	T CYLINDER ROD PACKING COOLING WAT	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	1"					FIELD						HOLD	HOLD								
377	SG-2202B	B	SIGHT GLASS	T CYLINDER JACKET COOLING WATER OU	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 7B	1"					FIELD						HOLD	HOLD								
378	SG-2203B	B	SIGHT GLASS	HT CYLINDER ROD PACKING COOLING WA	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	1"					FIELD						HOLD	HOLD								
379	PDG-2204B	B	DIFF. PRESSURE GAUGE	LUBE OIL FILTER	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	1"					FIELD						0-6	BAR								
380	PDG-2200B	B	DIFF. PRESSURE GAUGE	N2 SUPPLY	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	1"					FIELD						HOLD	HOLD								
381	PDG-2205B	B	DIFF. PRESSURE GAUGE	Water SUPPLY	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	1"					FIELD						HOLD	HOLD								
382	PDG-2206B	B	DIFF. PRESSURE GAUGE	Water SUPPLY	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	1"					FIELD						HOLD	HOLD								
383	PRV-2201B	B	PRESSURE RELIEF VALVE	DISCHARGE OF AUX. OIL PUMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	2"					FIELD															
384	PRV-2200B	B	PRESSURE RELIEF VALVE	DISCHARGE OF MAIN OIL PUMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	2"					FIELD															
385	PSV-2203B	B	PRESSURE SAFETY VALVE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	HOLD					FIELD															
386	PSV-2204B	B	PRESSURE SAFETY VALVE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	HOLD					FIELD															
387	PCV-2205B	B	PRESSURE REGULATING VALVE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	1"					FIELD															
388	PCV-2206B	B	PRESSURE REGULATING VALVE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	1"					FIELD															
389	PCV-2200B	B	PRESSURE REGULATING VALVE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	2"					FIELD															
390	RV-2201B	B	RLEASE VALVE	DISCHARGE OF AUX. OIL PUMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	2"					FIELD															
391	RV-2200B	B	RLEASE VALVE	DISCHARGE OFMAIN. OIL PUMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	2"					FIELD															
392	TCV-2200B	B	Temperature Control Valve(3way)	Outlet Oil Line Lube Oil Cooler C-1401 A-E1	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	2"					FIELD															
393	TCV-2201B	B	Temperature Control Valve(3way)	COOLING WATER COOLER OUTLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	2"					FIELD															
394	RO-2200B	B	RESTRICTION ORIFICE		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 1B	1"					FIELD															
395	RO-2201B	B	RESTRICTION ORIFICE		PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	2"					FIELD															
396	RO-2203B	B	RESTRICTION ORIFICE	LUBE OIL FILTER	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 3B	1"					FIELD															
397	RO-2204B	B	RESTRICTION ORIFICE	DISCHARGE OF MAIN OIL PUMP	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	2"					FIELD															
398	FG-2200B	B	VARIABLE AREA FLOWMETER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	1/2"					FIELD						HOLD	HOLD								
399	FG-2201B	B	VARIABLE AREA FLOWMETER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	1/2"					FIELD						HOLD	HOLD								
400	FG-2202B	B	VARIABLE AREA FLOWMETER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	1/2"					FIELD						HOLD	HOLD								

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نگهداشت و افزایش تولید میدان نفتی بینک

سطح الارض و ابنیه تحت الارض

خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک

(قرارداد BK-HD-GCS-CO-0008_03)

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HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	29 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection		I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents				Hazardous Area	Manufacturer	Model Number	Remark
								Size	Rating											Loop Diagram No.	Inst. Location Layout	Hook-Up Drawing	Data Sheet				
401	FG-2203B	B	VARIABLE AREA FLOWMETER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101B	BK-GCS-HY-120-PR-PI-0001-SHEET 4B	1/2"					FIELD						HOLD	HOLD								

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

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9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	30 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
1	SV-2201C	C	SOLENOID VALVE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101,2 C	BK-GCS-HY-120-PR-PI-0001-SHEET 2C				DOR	UCP-C	FIELD	24VDC	W	24VDC	NIS								ZONE2, IIB, T3			
2	SV-2202C	C	SOLENOID VALVE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101,2 C	BK-GCS-HY-120-PR-PI-0001-SHEET 2C				DOR	UCP-C	FIELD	24VDC	W	24VDC	NIS								ZONE2, IIB, T3			
3	SV-2203C	C	SOLENOID VALVE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101,2 C	BK-GCS-HY-120-PR-PI-0001-SHEET 2C				DOR	UCP-C	FIELD	24VDC	W	24VDC	NIS								ZONE2, IIB, T3			
4																											
5	PT-2123C	C	PRESSURE TRANSMITTER	ON SUCTION SNUBBER 1S STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	8"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-16	BARG					ZONE2, IIB, T3			
6	PI-2123C	C	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
7	PAH-2123C	C	PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
8																											
9	FT-2121C	C	FLOW TRANSMITTER	ON SUCTION SNUBBER 1S STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	8"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-14000	NM3/H					ZONE2, IIB, T3			
10	FE-2121 C	C	FLOW ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	FIELD	-															
11	FI-2121 C	C	FLOW INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
12																											
13	TT-2122 C	C	TEMPERATURE TRANSMITTER	ON SUCTION SNUBBER 1S STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	8"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-100	°C					ZONE2, IIB, T3			
14	TI-2122 C	C	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
15	TE-2122C	C	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-																	
16	TW-2122 C	C	THERMOWELL		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-																	
17																											
18	PDT-2122 C	C	DIFF. PRESSURE TRANSMITTER	STRAINER FILTER	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	1"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-1	BARG					ZONE2, IIB, T3			
19	PDI-2122 C	C	DIFF. PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
20	PDAH-2122 C	C	DIFF. PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
21																											
22	PT-2192 A/BC	C	PRESSURE TRANSMITTER	ON DISCHARGE SNUBBER 1ST STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	6"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-40	BARG					ZONE2, IIB, T3			
23	PI-2192 A/BC	C	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
24	PAH-2192 A/BC	C	PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
25																											
26	TT-2192 C	C	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 1ST STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	6"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-200	°C					ZONE2, IIB, T3			
27	TE-2191 C	C	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C					FIELD	-															
28	TW-2191 C	C	THERMOWELL		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C					FIELD	-															
29	TI-2192 C	C	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
30																											
31	TT-2191 C	C	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 1ST STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-200	°C					ZONE2, IIB, T3			
32	TI-2191C	C	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

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HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
33	TAH-2191C	C	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
34																											
35	TS-2191C	C	TEMPERATURE SWITCH	ON DISCHARGE SNUBBER 1ST STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				DI	FIELD	USD	NC		NC	NIS		0-200/160	°C								
36	TAHH-2191C	C	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	-	-	-		FIELD	UCP-C															
37																											
38	TT-2194 C	C	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				AI	FIELD	CCR	4-20mA Hart	-	4-20mA	IS		0-200	°C					ZONE2, IIB, T3			
39	TE-2194 C	C	THERMO ELEMENT		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C					FIELD	-															
40	TW-2194 C	C	THERMOWELL		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C					FIELD	-															
41	TI-2194 C	C	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
42	TAH-2194 C	C	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
43																											
44	TS-2194 C	C	TEMPERATURE SWITCH	ON DISCHARGE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				V01	FIELD	Trip Relay UCP C				NIS											
45	TAHH-2194 C	C	TEMPERATURE ALARAM HIGH HIGH		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	FIELD	UCP															
46																											
47	PT-2124 C	C	PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	6"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-80	BARG					ZONE2, IIB, T3			
48	PI-2124 C	C	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
49	PAHH-2124 C	C	PRESSURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
50																											
51	PS-2195 C	C	PRESSURE SWITCH	ON DISCHARGE LINE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	6"			V01 DI	FIELD	Trip Relay UCP C				NIS											
52	PAHH-2195 C	C	PRESSURE Trip HIGH HIGH		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	FIELD	UCP-C															
53																											
54	TT-2123 C	C	TEMPERATURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	6"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-200	°C					ZONE2, IIB, T3			
55	TE-2123 C	C	THERMO ELEMENT		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C					-	FIELD															
56	TW2123 C	C	THERMOWELL		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C					-	FIELD															
57	TI-2123 C	C	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
58																											
59	PT-2197C	C	PRESSURE TRANSMITTER	ON SUCTION SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	6"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-40	BARG					ZONE2, IIB, T3			
60	PI-2197 C	C	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
61																											
62	FT-2197C	C	FLOW TRANSMITTER	ON SUCTION SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	6"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-14000	NM3/H					ZONE2, IIB, T3			
63	FE-2197C	C	FLOW ELEMENT		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	FIELD	-															
64	FI-2197C	C	FLOW INDICATING		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
65																											
66	TT-2197C	C	TEMPERATURE TRANSMITTER	ON SUCTION SNUBBER 2ND STAGE	PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	6"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-100	°C					ZONE2, IIB, T3			
67	TE-2197C	C	THERMO ELEMENT		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	-	FIELD															
68	TW-2197C	C	THERMOWELL		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C					-	FIELD															
69	TI-2197C	C	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C					UCP-C	CCR															
70																											
71	PDT-2197C	C	DIFF. PRESSURE TRANSMITTER	STRAINER FILTER 2ND STAGE	PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	1"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-6	BARG					ZONE2, IIB, T3			
72	PDI-2197C	C	DIFF. PRESSURE INDICATING		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
73	PDAH-2197C	C	DIFF. PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2102 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				-	UCP-C	CCR															
74																											
75	PT-2201C	C	PRESSURE TRANSMITTER	ON INSTRUMENT LINE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 2C	2"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
76	PI-2201C	C	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 2C				-	UCP-C	CCR															
77	PAL-2201C	C	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 2C				-	UCP-C	CCR															
78																											
79	PT-2200 C	C	PRESSURE TRANSMITTER	ON LUBRICATOR	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
80	PI-2200 C	C	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
81	PAL-2200 C	C	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
82																											
83	LT-2200 C	C	LEVEL TRANSMITTER	ON CRANK CASE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
84	LI-2200 C	C	LEVEL INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
85	LAL-2200 C	C	LEVEL ALARM LOW		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
86								V01																			
87	LT-2213 C	C	LEVEL TRANSMITTER	WATER RESERVOIR	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				AI	FIELD	Trip Relay UCP C	4-20mA Hart	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
88	LI-2213 C	C	LEVEL INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
89	LAL-2213 C	C	LEVEL ALARM LOW		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
90	LALL-2213 C	C	LEVEL ALARM LOW LOW		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
91																											
92	TT-2203 C	C	TEMPERATURE TRANSMITTER	ON CRANK CASE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				AIR	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-200	°C					ZONE2, IIB, T3			
93	TE-2203 C	C	THERMO ELEMENT	ON CRANK CASE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C					FIELD	-															
94	TW-2203 C	C	THERMOWELL		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C					FIELD	-															
95	TI-2203 C	C	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C					UCP-C	CCR															
96																											

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)
INSTRUMENT/F&G LIST

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01

Item No.	Tag Number	Unit Number	Description V01	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
97	HSP-2203 C	C	START COMMAND HEATER CRANK CASE	START COMMAND HEATER CRANK CASE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
98	HST-2203 C	C	STOP COMMAND HEATER CRANK CASE	STOP COMMAND HEATER CRANK CASE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
99	XL-2203 C	C	RUNNING STATUS HEATER CRANK CASE	RUNNING STATUS HEATER CRANK CASE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
100	XA-2203 C	C	FAILURE STATUS HEATER CRANK CASE	FAILURE STATUS HEATER CRANK CASE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
101																											
102	HST-2200 C	C	START COMMAND HEATER LUBRICATOR	HEATER ON LUBRICATOR	PACKAGE COMPRESSOR C-1401 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
103	HSP-2200 C	C	STOP COMMAND HEATER LUBRICATOR	HEATER ON LUBRICATOR	PACKAGE COMPRESSOR C-1401 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
104	XL-2200 C	C	RUNNING STATUS HEATER LUBRICATOR	HEATER ON LUBRICATOR	PACKAGE COMPRESSOR C-1401 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
105	XA-2200 C	C	FAILURE STATUS HEATER LUBRICATOR	HEATER ON LUBRICATOR	PACKAGE COMPRESSOR C-1401 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
106																											
107	TT-2204C	C	TEMPERATURE TRANSMITTER	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	4"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-100	°C					ZONE2, IIB, T3			
108	TI-2204C	C	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
109	TW-2204C	C	THERMOWELL	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C					FIELD	-															
110	TAH-2204C	C	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
111	TAL-2204C	C	TEMPERATURE ALARM LOW		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
112																											
113	PT-2204C	C	PRESSURE TRANSMITTER	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"			AIR	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-16	BARG					ZONE2, IIB, T3			
114	PI-2204C	C	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
115	PAL-2204C	C	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
116	PAH-2204C	C	PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
117	PAH2-2204C	C	PRESSURE ALARM HIGH2		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
118											V01																
119	PS-2204C	C	PRESSURE SWITCH	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	Field	Trip Relay UCP C				NIS		0-16/6	BARG					ZONE2, IIB, T3			
120	PALL-2204C	C	PRESSURE ALARM LOW LOW		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	Field	UCP-C															
121		C																									
122	PDT-2204 C	C	DIFF. PRESSURE TRANSMITTER	LUBE OIL FILTER	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	1"			AIR	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-6	BARG					ZONE2, IIB, T3			
123	PDI-2204 C	C	DIFF. PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
124	PDAH-2204 C	C	DIFF. PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				-	UCP-C	CCR															
V01																											
126	HST-2202 C	C	START COMMAND AUX. OIL PUMP	AUX. OIL PUMP (P-2101-AP C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
127	HSP-2202 C	C	STOP COMMAND AUX. OIL PUMP	AUX. OIL PUMP (P-2101-AP C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DOR	UCP-C	MCC	NC	D	NC	NIS								ZONE2, IIB, T3			
128	XL-2202 C	C	RUNNING STATUSAUX. OIL PUMP	AUX. OIL PUMP (P-2101-AP C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01

V01

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
129	XA-2202 C	C	FAILURE STATUS AUX. OIL PUMP	AUX. OIL PUMP (P-2101-AP C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
130																											
131	HST-2201 C	C	START COMMAND LUBRICATOR. OIL PUMP	LUBRICATOR. OIL PUMP (2101-LP C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
132	HSP-2201 C	C	STOP COMMAND LUBRICATOR. OIL PUMP	LUBRICATOR. OIL PUMP (2101-LP C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DOR	UCP-C	MCC	NC	D	NC	NIS								ZONE2, IIB, T3			
133	XL-2201 C	C	RUNNING STATUS LUBRICATOR. OIL PUMP	LUBRICATOR. OIL PUMP (2101-LP C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
134	XA-2201 C	C	FAILURE STATUS LUBRICATOR. OIL PUMP	LUBRICATOR. OIL PUMP (2101-LP C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
135																											
136	HST-2205 C	C	START COMMAND LUB OIL COOLER	LUB OIL COOLER (AE-2101-OC C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
137	HSP-2205 C	C	STOP COMMAND LUB OIL COOLER	LUB OIL COOLER (AE-2101-OC C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DOR	UCP-C	MCC	NC	D	NC	NIS								ZONE2, IIB, T3			
138	XL-2205 C	C	RUNNING STATUS LUB OIL COOLER	LUB OIL COOLER (AE-2101-OC C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
139	XA-2205 C	C	FAILURE STATUS LUB OIL COOLER	LUB OIL COOLER (AE-2101-OC C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
140																											
141	PT-2210C	C	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	1"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-6	BARG					ZONE2, IIB, T3			
142	PI-2210C	C	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C				-	UCP-C	CCR															
143	PAL-2210C	C	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C				-	UCP-C	CCR															
144																											
145	PT-2211C	C	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	1"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-6	BARG					ZONE2, IIB, T3			
146	PI-2211C	C	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C				-	UCP-C	CCR															
147	PAL-2211C	C	PRESSURE ALARM LC		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C				-	UCP-C	CCR															
148																											
149	HST-2220 C	C	START COMMAND WATER CONSULE COOLER	WATER CONSULE COOLER (AE-2101-WC C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
150	HSP-2220 C	C	STOP COMMAND WATER CONSULE COOLER	WATER CONSULE COOLER (AE-2101-WC C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DOR	UCP-C	MCC	NC	D	NC	NIS								ZONE2, IIB, T3			
151	XL-2220 C	C	RUNNING STATUS WATER CONSULE COOLER	WATER CONSULE COOLER (AE-2101-WC C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
152	XA-2220 C	C	FAILURE STATUS WATER CONSULE COOLER	WATER CONSULE COOLER (AE-2101-WC C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
153																											
154	HST-2221 C	C	START COMMAND AUX WATER PUMP	AUX WATER PUMP (P-2101-AX C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
155	HSP-2221 C	C	STOT COMMAND AUX WATER PUMP	AUX WATER PUMP (P-2101-AX C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DOR	UCP-C	MCC	NC	D	NC	NIS								ZONE2, IIB, T3			
156	XL-2221C	C	RUNNING STATUS AUX WATER PUMP	AUX WATER PUMP (P-2101-AX C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
157	XA-2221 C	C	FAILURE STATUS AUX WATER PUMP	AUX WATER PUMP (P-2101-AX C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
158																											
159	HST-2222 C	C	START COMMAND MAIN WATER PUMP	MAIN WATER PUMP (P-2101-WP C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
160	HSP-2222 C	C	STOP COMMAND MAIN WATER PUMP	MAIN WATER PUMP (P-2101-WP C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DOR	UCP-C	MCC	NC	D	NC	NIS								ZONE2, IIB, T3			

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	35 of 42

Item No.	Tag Number	Unit Number	Description (V01)	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
161	XL-2222C	C	RUNNING STATUS MAIN WATER PUMP	MAIN WATER PUMP (P-2101-WP C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
162	XA-2222 C	C	FAILURE STATUS MAIN WATER PUMP	MAIN WATER PUMP (P-2101-WP C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
163																											
164	HST-2223 C	C	START COMMAND HEATER WATER CONSULE	WATER CONSULE COOLER HEATER (AE-2101-WC C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
165	HSP-2223 C	C	STOP COMMAND HEATER WATER CONSULE	WATER CONSULE COOLER HEATER (AE-2101-WC C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DOR	UCP-C	MCC	NC	D	NC	NIS								ZONE2, IIB, T3			
166	XL-2223C	C	RUNNING STATUS HEATER WATER CONSULE	WATER CONSULE COOLER HEATER (AE-2101-WC C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
167	XA-2223 C	C	FAILURE STATUS HEATER WATER CONSULE	WATER CONSULE COOLER HEATER (AE-2101-WC C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
168																											
169	PT-2220C	C	PRESSURE TRANSMITTER	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C	2"			AIR	FIELD	FIELD	4-20mA Hart	-	4-20mA	IS		0-16	BARG					ZONE2, IIB, T3			
170	PI-2220C	C	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				-	UCP-C	CCR															
171	PAL-2220C	C	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				-	UCP-C	CCR															
172	PAH-2220C	C	PRESSURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				-	UCP-C	CCR															
173																											
174	PT-2221C	C	PRESSURE TRANSMITTER	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C	2"			AI	FIELD	FIELD	4-20mA Hart	-	4-20mA	IS		0-16	BARG					ZONE2, IIB, T3			
175	PI-2221C	C	PRESSURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				-	UCP-C	CCR															
176	PAL-2221C	C	PRESSURE ALARM LOW		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				-	UCP-C	CCR															
177		C																									
178	PS-2220C	C	PRESSURE SWITCH	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C	2"			DI	Field	USD				NIS		0-16	BARG								
179	PALL-2220C	C	PRESSURE ALARM LOW LOW	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				-	Field	UCP-C															
180																											
181	TT-2213C	C	TEMPERATURE TRANSMITTER	WATER RESERVOIR	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				AIR	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-100	°C					ZONE2, IIB, T3			
182	TE-2213C	C	THERMO ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C						FIELD															
183	TW-2213C	C	THERMOWELL		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C						FIELD															
184	TI-2213C	C	TEMPERATURE INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				-	UCP-C	CCR															
185	TAH-2213C	C	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				-	UCP-C	CCR															
186	TAL-2213C	C	TEMPERATURE ALARM LOW		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				-	UCP-C	CCR															
187		C																									
188	FT-2206C	C	FLOW TRANSMITTER	WATER TO CYLINDERS	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C	2"			AI	FIELD	UCP-C	4-20mA Hart	-	4-20mA	IS		0-16	BARG					ZONE2, IIB, T3			
189	FE-2221C	C	FLOW ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				-	FIELD	-															
190	FI-2221C	C	FLOW INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C				-	UCP-C	CCR															
191																											
192	HS-2239-LC	C	SELECTOR SWITCH	LOCAL MODE SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	36 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
193	HS-2239-RC	C	SELECTOR SWITCH	REMOTE MODE SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
194	HS-2230-MC	C	SELECTOR SWITCH	AUX. LUBE OIL PUMP MANU. SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
195	HS-2230-UC	C	SELECTOR SWITCH	AUX. LUBE OIL PUMP AUTO. SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
196	HS-2231-MC	C	SELECTOR SWITCH	OIL COOLER . SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
197	HS-2231-UC	C	SELECTOR SWITCH	OIL COOLER . SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
198	HS-2233-MC	C	SELECTOR SWITCH	MAIN WATER PUMP MANU SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
199	HS-2233-UC	C	SELECTOR SWITCH	MAIN WATER PUMP AUTO SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
200	HS-2234-MC	C	SELECTOR SWITCH	AUX WATER PUMP MANU SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
201	HS-2234-UC	C	SELECTOR SWITCH	AUX WATER PUMP AUTO SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
202	HS-2235-MC	C	SELECTOR SWITCH	WATER COOLER MANU SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
203	HS-2235-UC	C	SELECTOR SWITCH	WATER COOLER AUTO SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
204	HS-2236C	C	PUSH BUTTON	LAMP TEST PUSHBUTTON SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
205	HS-2237-TC	C	PUSH BUTTON	MAIN MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
206	HS-2237-PC	C	PUSH BUTTON	MAIN MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
207	HS-2238-TC	C	PUSH BUTTON	OIL HEATER ON PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
208	HS-2238-PC	C	PUSH BUTTON	OIL HEATER OFF PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
209	HS-2239-TC	C	PUSH BUTTON	AUX. LUBE OIL PUMP START PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
210	HS-2239-PC	C	PUSH BUTTON	AUX. LUBE OIL PUMP STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
211	HS-2240-TC	C	PUSH BUTTON	OIL COOLER MOTOR A START PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
212	HS-2240-PC	C	PUSH BUTTON	OIL COOLER MOTOR A STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
213	HS-2241-TC	C	PUSH BUTTON	OIL COOLER MOTOR B START PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
214	HS-2241-PC	C	PUSH BUTTON	OIL COOLER MOTOR B STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
215	HS-2242-TC	C	PUSH BUTTON	LUB L HEATER ON PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
216	HS-2242-PC	C	PUSH BUTTON	LUB HEATER OFF PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
217	HS-2243-TC	C	PUSH BUTTON	LUB MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
218	HS-2243-PC	C	PUSH BUTTON	LUB MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
219	HS-2244-TC	C	PUSH BUTTON	MAIN WATER PUMP MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
220	HS-2244-PC	C	PUSH BUTTON	MAIN WATER PUMP MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
221	HS-2245-TC	C	PUSH BUTTON	AUX WATER PUMP MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
222	HS-2245-PC	C	PUSH BUTTON	AUX WATER PUMP MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
223	HS-2246-TC	C	PUSH BUTTON	WATER HEATER ON PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
224	HS-2246-PC	C	PUSH BUTTON	WATER HEATER OFF PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY — HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	37 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
225	HS-2247-TC	C	PUSH BUTTON	WATER COOLER MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
226	HS-2247-PC	C	PUSH BUTTON	WATER COOLER MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
227	HS-2248-TC	C	PUSH BUTTON	BEARING MOTOR START PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
228	HS-2248-PC	C	PUSH BUTTON	BEARING MOTOR STOP PUSHBUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
229	HS-2250C	C	PUSH BUTTON	RESET PUSH BUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
230	HS-2238-UC	C	SELECTOR SWITCH	OIL COOLER AUTO SELECTOR SWITCH	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
231	HS-2240C	C	EMERGENCY SHUT DOWN	RESET PUSH BUTTON	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DI	LCP-C	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
232	XL-2230C	C	SIGNAL LAMP	OIL HEATER ACTIVE LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
233	XL-2231C	C	SIGNAL LAMP	AUX LUBE OILPUMP MOTOR START LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
234	XL-2184C	C	SIGNAL LAMP	COMMON ALARM LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
235	XL-2185C	C	SIGNAL LAMP	COMMON SHUTDOWN LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
236	XL-2232C	C	SIGNAL LAMP	LUBRICATOR OIL HEATER ON LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
237	XL-2233C	C	SIGNAL LAMP	LUBRICATOR OIL MOTOR START LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
238	XL-2234C	C	SIGNAL LAMP	MAIN MOTOR RUNNING LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
239	XL-2235C	C	SIGNAL LAMP	OIL COOLER MOTOR A RUNNING LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C	-	-	-	DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
240	XL-2236C	C	SIGNAL LAMP	OIL COOLER MOTOR B RUNNING LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
241	XL-2237C	C	SIGNAL LAMP	MAIN WATER PUMP MOTOR RUNNING LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
242	XL-2238C	C	SIGNAL LAMP	AUX WATER PUMP MOTOR RUNNING LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
243	XL-2239C	C	SIGNAL LAMP	WATER HEATER ACTIVE LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
244	XL-2240C	C	SIGNAL LAMP	WATER COOLER RUNNING LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
245	XL-2241C	C	SIGNAL LAMP	BEARRING MOTOR RUNNING LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
246	XL-2242C	C	SIGNAL LAMP	READY TO START LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
247	XL-2243C	C	SIGNAL LAMP	COMMON ALARM LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
248	XL-2244C	C	SIGNAL LAMP	COMMON SHUT DOWN LAMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 8C				DO	UCP-C	LCP-C	NO	W	NO	NIS								ZONE2, IIB, T3			
249		C																									
250	VT-2202C	C	VIBRATION TRANSMITTER	FRAME VIBRATION	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C		V01		AI	FIELD	Trip Relay UCP C	4-20mA	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
251	VE–2202C	C	VIBRATION ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	FIELD	-															
252	VI–2202C	C	VIBRATION INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
253	VAH-2202C	C	VIBRATION ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
254	VAHH-2202C	C	VIBRATION ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C		V01		AI	UCP-C	CCR															
255		C																									
256	VT–2200C	C	VIBRATION TRANSMITTER	FRAME VIBRATION	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				AI	FIELD	Trip Relay UCP C	4-20mA	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			

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نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY — HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	38 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
257	VE–2200C	C	VIBRATION ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	FIELD	-															
258	VI–2200C	C	VIBRATION INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
259	VAH-2200C	C	VIBRATION ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
260	VAHH-2200C	C	VIBRATION ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				AI	UCP-C	CCR															
261		C						V01																			
262	VT-2201C	C	VIBRATION TRANSMITTER	FRAME VIBRATION	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				AI	FIELD	Trip Relay UCP C	4-20mA	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
263	VE-2201C	C	VIBRATION ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	FIELD	-															
264	VI-2201C	C	VIBRATION INDICATING		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
265	VAH-2201C	C	VIBRATION ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
266	VAHH-2201C	C	VIBRATION ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C		V01		AI	UCP-C	CCR															
267																											
268		C																									
269	TE-2214C	C	RTD THERMO ELEMENT	Comp. Frame Temp. Measurment	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C					FIELD		RTD	-	RTD			HOLD						ZONE2, IIB, T3			
270	TT-2214C	C	TEMPERATURE TRAMSMITTER		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				AI	FIELD	UCP-C	4-20mA Hart			IS		HOLD									
271	TI-2214C	C	TEMPERATURE INDICATION		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
272	TAH-2214C	C	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
273																											
274	TE-2215C	C	RTD THERMO ELEMENT	Comp. Frame Temp. Measurment	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C					FIELD		RTD	-	RTD			HOLD						ZONE2, IIB, T3			
275	TT-2215C	C	TEMPERATURE TRAMSMITTER		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				AI	FIELD	UCP-C	4-20mA Hart			IS											
276	TI-2215C	C	TEMPERATURE INDICATION		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
277	TAH-2215C	C	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
278																											
279	TE-2216C	C	RTD THERMO ELEMENT	Comp. Frame Temp. Measurment	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C					FIELD		RTD	-	RTD			HOLD						ZONE2, IIB, T3			
280	TT-2216C	C	TEMPERATURE TRANSMITTER	Cylinder Rod Temp. Measurment	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C		V01		AI	FIELD	Trip Relay UCP C	4-20mA Hart	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
281	TI-2216C	C	RTD THERMO ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C					UCP-C	CCR															
282	TAH-2216C	C	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
283	TAHH-2216C	C	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C					UCP-C	CCR															
284		C																									
285	TE-2217C	C	RTD THERMO ELEMENT	Comp. Power Bearing Temp. Measurment	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C					FIELD		RTD	-	RTD	IS		HOLD						ZONE2, IIB, T3			
286	TT-2217C	C	TEMPERATURET RAMSMITTER		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C		V01		AI	UCP-C	Trip Relay UCP C	4-20mA Hart		4-20mA												
287	TI-2217C	C	RTD THERMO ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C					UCP-C	CCR															
288	TAH-2217C	C	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															

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نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY — HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
289	TAHH-2217C	C	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
290																											
291	TE-2218C	C	RTD THERMO ELEMENT	Comp. Power Bearing Temp. Measurment	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C			V01		FIELD		RTD	-	RTD			HOLD						ZONE2, IIB, T3			
292	TT-2218C	C	TEMPERATURE TRANSMITTER	RIGHT Cylinder Rod Temp. Measurment	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				AI	FIELD	Trip Relay UCP C	4-20mA Hart	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
293	TI-2218C	C	RTD THERMO ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
294	TAH-2218C	C	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
295	TAHH-2218C	C	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
296																											
297	TE-2219C	C	RTD THERMO ELEMENT	Comp. Power Bearing Temp. Measurment	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C			V01		FIELD		RTD	-	RTD			HOLD						ZONE2, IIB, T3			
298	TT-2219C	C	TEMPERATURE TRANSMITTER	RIGHT Cylinder Rod Temp. Measurment	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				AI	FIELD	Trip Relay UCP C	4-20mA Hart	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
299	TI-2219C	C	TEMPERATURE TRAMSMITTER		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
300	TAH-2219C	C	TEMPERATURE ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
301	TAHH-2219C	C	TEMPERATURE ALARM HIGH HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
302		C																									
303	ZT-2201C	C	ROD DROP TRANSMITTER	Cylinder Rod Drop Detector	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				AI	FIELD	UCP-C	4-20mA	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
304	ZE-2201C	C	ROD DROP ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C					FIELD																
305	ZI-2201C	C	ROD DROP INDICATOR		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C					UCP-C	CCR															
306	ZAH-2201C	C	ROD DROP ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
307																											
308	ZT-2200C	C	ROD DROP TRANSMITTER	LEFT Cylinder Rod Drop Detector	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				AI	FIELD	UCP-C	4-20mA	-	4-20mA	IS		HOLD	HOLD					ZONE2, IIB, T3			
309	ZE-2200C	C	ROD DROP ELEMENT		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C					FIELD																
310	ZI-2200C	C	ROD DROP INDICATOR		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C					UCP-C	CCR															
311	ZAH-2200C	C	ROD DROP ALARM HIGH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				-	UCP-C	CCR															
312																											
V01	TE-2222C	C	RTD THERMO ELEMENT	MAIN MOTOR R-PHASE WINDING TEMP.	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				AI	Motor	MCC	RTD	-	RTD	IS		1-100	°C					ZONE2, IIB, T3			
314	XL-2222C	C	RTD R TRIP FEEDBACK	MAIN MOTOR R-PHASE WINDING TEMPTRIP FEEDBACK.	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				DI	MCC	UCP-C	24VDC	-	N.O	NIS											
315																											
V01 3	TE-2225C	C	RTD THERMO ELEMENT	MAIN MOTOR S-PHASE WINDING TEMP.	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				AI	Motor	MCC	RTD	-	RTD	IS		0-100	°C					ZONE2, IIB, T3			
314	XL-2225C	C	RTD S TRIP FEEDBACK	MAIN MOTOR S-PHASE WINDING TEMPTRIP FEEDBACK.	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				DI	MCC	UCP-C	24VDC	-	N.O	NIS											
318																											
V01	TE-2228C	C	RTD THERMO ELEMENT	MAIN MOTOR T-PHASE WINDING TEMP.	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C				AI	Motor	MCC	RTD	-	RTD	IS		0-100	°C					ZONE2, IIB, T3			
314	XL-2228C	C	RTD T TRIP FEEDBACK	MAIN MOTOR T-PHASE WINDING TEMPTRIP FEEDBACK.	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7B				DI	MCC	UCP-C	24VDC	-	N.O	NIS											

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HIRGAN ENERGY — HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	40 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
321																											
322	HST-2205 C	C	START COMMAND	LOOB OIL COOLER (AE-2101-OC A/B/C)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
323	HSP-2205 C	C	STOP COMMAND		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DOR	UCP-C	MCC	NC	D	NC	NIS								ZONE2, IIB, T3			
324	XL-2205 C	C	RUNNING STATUS		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
325	XA-2205 C	C	FAILURE STATUS		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C				DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
326																											
327	HST-2225		START COMMAND	MOTOR BEARING DEVICE MOTOR	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C	-	-	-	DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
328	HSP-2225 C	C	STOP COMMAND		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C	-	-	-	DOR	UCP-C	MCC	NC	D	NC	NIS								ZONE2, IIB, T3			
329	XL-2225 C	C	RUNNING STATUS		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C	-	-	-	DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
330	XA-2225 C	C	FAULT STATUS		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C	-	-	-	DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
331																											
332	HST-2224 C	C	START COMMAND	MAKE UP GAS COMPRESSOR MAIN MOTOR	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C	-	-	-	DOR	UCP-C	MCC	NO	D	NO	NIS								ZONE2, IIB, T3			
333	HSP-2224 C	C	STOP COMMAND		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C	-	-	-	DOR	UCP-C	MCC	NC	D	NC	NIS								ZONE2, IIB, T3			
334	XL-2224 C	C	RUNNING STATUS		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C	-	-	-	DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
335	XA-2224 C	C	FAULT STATUS		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7C	-	-	-	DI	MCC	UCP-C	NO	D	NO	NIS								ZONE2, IIB, T3			
336																											
337	PCV-2123C	C	CONTROL VALVE	SPILL BACK VALVE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C					UCP-C	FIELD				IS	FO										
338	PCY-2123 C	C	CONTROLLER		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				AOR	UCP-C	FIELD		-	4-20mA	IS											
339	PCYZ-2123C	C	Feed back		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				AI	UCP-C	FIELD			4-20mA	IS											
339	CZSO-2123 C	C	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				DI	FIELD	UCP-C				NIS											
340	CZSC-2123 C	C	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				DI	FIELD	UCP-C				NIS											
341	PY-2123 C	C	SOLENOID VALVE		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C				DOR	UCP-C	FIELD				NIS											
342																											
343	XV-2121C	C	ON OFF VALVE	INPUT ON OFF VALVE(CLINET SIDE)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-PEDCO-120-PR-PI-0006-SHEET 1C					FIELD																
344	PSOV-2121C	C	ON OFF VALVE SOLENOID		PACKAGE COMPRESSOR C-2101 C	BK-GCS-PEDCO-120-PR-PI-0006-SHEET 1C				DOR	UCP-C	FIELD		W	24VDC	NIS	FO										
345	XZIC-2121C	C	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-PEDCO-120-PR-PI-0006-SHEET 1C				DI	FIELD	UCP-C		W	24VDC	NIS											
346	XZIO-2121C	C	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-PEDCO-120-PR-PI-0006-SHEET 1C				DI	FIELD	UCP-C	24VDC	W	24VDC	NIS											
347																											
348	XV-2133C	C	ON OFF VALVE	OUTPUT OFF VALVE(CLINET SIDE)	PACKAGE COMPRESSOR C-2101 C	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1C					FIELD																
349	PSOV-2233C	C	ON OFF VALVE SOLENOID		PACKAGE COMPRESSOR C-2101 C	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1C				DOR	UCP-C	FIELD		W	24VDC	NIS	FO										
350	XZIC-2133C	C	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1C				DI	FIELD	UCP-C		W	24VDC	NIS											
351	XZIO-2133C	C	LIMIT SWITCH		PACKAGE COMPRESSOR C-2101 C	BK-GCS-PEDCO-120-PR-PI-0011-SHEET 1C				DI	FIELD	UCP-C	24VDC	W	24VDC	NIS											

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
352																											
353	PG-2190C	C	PRESSURE GAUGE	ON SUCTION SNUBBER ON 1ST STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C						FIELD						0-16	BARG								
354	PG-2191C	C	PRESSURE GAUGE	ON DISCHARGE SNUBBER ON 1ST STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C						FIELD						0-25	BARG								
355	PG-2193C	C	PRESSURE GAUGE	ON SUCTION SNUBBER ON 2ND STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C						FIELD						0-25	BARG								
356	PG-2194C	C	PRESSURE GAUGE	ON DISCHARGE SNUBBER ON 2ND STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C						FIELD						0-80	BARG								
357	PG-2200C	C	PRESSURE GAUGE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 2C	2"					FIELD						0-16	BARG								
358	PG-2201C	C	PRESSURE GAUGE	DISCHARGE OF MAIN OIL PUMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"					FIELD						0-16	BARG								
359	PG-2202C	C	PRESSURE GAUGE	DISCHARGE OF AUX. OIL PUMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"					FIELD						0-16	BARG								
360	PG-2204C	C	PRESSURE GAUGE	LUBE OIL FILTER DOWN STREAM	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"					FIELD						0-16	BARG								
361	PG-2206C	C	PRESSURE GAUGE	MAIN COOLING WATER INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C	3/4"					FIELD						0-16	BARG								
362	PG-2205C	C	PRESSURE GAUGE	ON COLLECTION POT	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C						FIELD						0-16	BARG								
363	TG-2212C	C	TEMPERATURE GAUGE	MAIN COOLING WATER INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C						FIELD						0-100	°C								
364	TG-2210C	C	TEMPERATURE GAUGE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C	1/2"					FIELD						HOLD	HOLD								
365	TG-2211C	C	TEMPERATURE GAUGE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C	1/2"					FIELD						HOLD	HOLD								
366	TG-2190C	C	TEMPERATURE GAUGE	ON SUCTION SNUBBER ON 1ST STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C						FIELD						0-100	°C								
367	TG-2193C	C	TEMPERATURE GAUGE	ON SUCTION SNUBBER ON 2ND STAGE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C						FIELD						0-120	°C								
368	TG-2201C	C	TEMPERATURE GAUGE	COOLING WATER COOLER OUTLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5C	1"					FIELD															
369	TG-2204C	C	TEMPERATURE GAUGE	LUBE OIL FILTER DOWNSTREAM	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"					FIELD						0-120	°C								
370	TG-2205C	C	TEMPERATURE GAUGE	UBE OIL COOLER COOLING WATER OUTLE	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	4"					FIELD						0-120	°C								
371	TG-2206C	C	TEMPERATURE GAUGE	LUBE OIL COOLER COOLING WATER INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	4"					FIELD						0-120	°C								
372	TG-2213C	C	TEMPERATURE GAUGE	LEFT CYLINDER JACKET COOLING WATER OUTLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7	1"					FIELD						HOLD	HOLD								
373	TG-2214C	C	TEMPERATURE GAUGE	T CYLINDER JACKET COOLING WATER OUT	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7	1"					FIELD						HOLD	HOLD								
374	TG-2215C	C	TEMPERATURE GAUGE	HT CYLINDER ROD PACKING COOLING WA	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7	1"					FIELD						HOLD	HOLD								
375	TG-2216C	C	TEMPERATURE GAUGE	HT CYLINDER ROD PACKING COOLING WA	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7	1"					FIELD						HOLD	HOLD								
376	TG-2217C	C	TEMPERATURE GAUGE	COOLING WATER RESERVIOR	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 5	1"					FIELD						HOLD	HOLD								
377	SG-2200C	C	SIGHT GLASS	T CYLINDER JACKET COOLING WATER OUT	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7	1"					FIELD						HOLD	HOLD								
378	SG-2201C	C	SIGHT GLASS	T CYLINDER ROD PACKING COOLING WAT	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7	1"					FIELD						HOLD	HOLD								
379	SG-2202C	C	SIGHT GLASS	T CYLINDER JACKET COOLING WATER OU	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7	1"					FIELD						HOLD	HOLD								
380	SG-2203C	C	SIGHT GLASS	HT CYLINDER ROD PACKING COOLING WA	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 7	1"					FIELD						HOLD	HOLD								
381	PDG-2204C	C	DIFF. PRESSURE GAUGE	LUBE OIL FILTER	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	1"					FIELD						0-6	BAR								
382	PDG-2200C	C	DIFF. PRESSURE GAUGE	N2 SUPPLY	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	1"					FIELD						HOLD	HOLD								
383	PDG-2205C	C	DIFF. PRESSURE GAUGE	Water SUPPLY	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	1"					FIELD						HOLD	HOLD								

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)

INSTRUMENT/F&G LIST

HAVAYAR INDUSTRIAL GROUP

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه:
9184 – 073 - 053	BK	GCS	HY	120	IN	LI	0002	V01	42 of 42

Item No.	Tag Number	Unit Number	Description	Service 1	Service 2	P&ID No.	line Size	Connection Size	Connection Rating	I/O Type	Location, Signal (From)	Location, Signal (To)	Power Supply	W/D	Signal Type	IS/NIS	Valve Action	Range/ Alarm Set point	Eng. Units	Engineering Documents: Loop Diagram No.	Engineering Documents: Inst. Location Layout	Engineering Documents: Hook-Up Drawing	Engineering Documents: Data Sheet	Hazardous Area	Manufacturer	Model Number	Remark
384	PDG-2206C	C	DIFF. PRESSURE GAUGE	Water SUPPLY	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	1"					FIELD						HOLD	HOLD								
385	PRV-2201C	C	PRESSURE RELIEF VALVE	DISCHARGE OF AUX. OIL PUMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"					FIELD															
386	PRV-2200C	C	PRESSURE RELIEF VALVE	DISCHARGE OF MAIN OIL PUMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"					FIELD															
387	PSV-2203C	C	PRESSURE SAFETY VALVE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	HOLD					FIELD															
388	PSV-2204C	C	PRESSURE SAFETY VALVE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	HOLD					FIELD															
389	PCV-2205C	C	PRESSURE REGULATING VALVE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	1"					FIELD															
390	PCV-2206C	C	PRESSURE REGULATING VALVE	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	1"					FIELD															
391	PCV-2200C	C	PRESSURE REGULATING VALVE	INST. AIR SUPPLY	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"					FIELD															
392	RV-2201C	C	RLEASE VALVE	DISCHARGE OF AUX. OIL PUMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"					FIELD															
393	RV-2200C	C	RLEASE VALVE	DISCHARGE OFMAIN. OIL PUMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"					FIELD															
394	TCV-2200C	C	Temperature Control Valve(3way)	Outlet Oil Line Lube Oil Cooler C-1401 A-E1	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	2"					FIELD															
395	TCV-2201C	C	Temperature Control Valve(3way)	COOLING WATER COOLER OUTLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	2"					FIELD															
396	RO-2200C	C	RESTRICTION ORIFICE		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	1"					FIELD															
397	RO-2201C	C	RESTRICTION ORIFICE		PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 1C	2"					FIELD															
398	RO-2203C	C	RESTRICTION ORIFICE	LUBE OIL FILTER	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	1"					FIELD															
399	RO-2204C	C	RESTRICTION ORIFICE	DISCHARGE OF MAIN OIL PUMP	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 3C	2"					FIELD															
400	FG-2200C	C	VARIABLE AREA FLOWMETER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	1/2"					FIELD						HOLD	HOLD								
401	FG-2201C	C	VARIABLE AREA FLOWMETER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	1/2"					FIELD						HOLD	HOLD								
402	FG-2202C	C	VARIABLE AREA FLOWMETER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	1/2"					FIELD						HOLD	HOLD								
403	FG-2203C	C	VARIABLE AREA FLOWMETER	N2 TO CYLINDER PACKING INLET	PACKAGE COMPRESSOR C-2101 C	BK-GCS-HY-120-PR-PI-0001-SHEET 4C	1/2"					FIELD						HOLD	HOLD								
404										DI																	