



Rev.	By	Rev. Description	Rev. Date	Project: Satellite Fields Development Project Phase-2 Customer: DeltaAfrik Engineering LTD Customer PO: 10108-1001 End User: Equipment: IBOT 'A' Instrument And Power Gas Skid Skid Tag: NG4A-VMAK966201 IFS Job Number: 25046 IFS Document Number: IL-25046-01							Num.	NOTE			
											1	Qty 1 Shown Qty 1 Required			
											2	All Instrument Tags For IBOT 'A' Shall Be Prefixed by NG4A			
2	CM	As-Built	15-Jul-2014												
1	CM	Per Engineering Comments	10-Dec-2013												
0	CM	Approved For Construction	13-Sep-2012												
A	CM	Issued For Approval	3-Jul-2012												
INSTRUMENT LIST															
Seq.	Tag Number	Description of Service/Device Type	Process Connection Size/Type/ Rating	Electrical Connections	Hazardous area/ NEMA/IP Rating	Signal Type	Range		Set Point	Engineering Units	P&ID Reference	Hook-Up Detail Reference	Manufacturer	Model Number	Comments
							Minimum (4mA / LRV)	Maximum (20mA / URV)	High High High Low Low Low						
1	PG-966201-08	3" Line from Test Separator to Power Gas Scrubber Pressure Indicator	1/2" MNPT	N/A	N/A	N/A	0	800	Snubber Set= 800	PSIG	P-25046-01 (NG4A-CY-VDPID-0050422)		ASHCROFT	Gauge: 45-1009-SL-04L-XSG-XNH-800# Snubber: 50-2550G XFS @ 800#	Pressure Gauge - 4-1/2" Dial, 1/2" NPT Process Connection, Stainless Steel Case, Glycerin Filled, Shatterproof Lens, Stainless Steel 1/2" Snubber Set @ 800#
2	PV-966201-09	Power Gas Scrubber Inlet Pressure Control Valve	2" 1500# RTJ	N/A	N/A	N/A	N/A	N/A	N/A	N/A	P-25046-01 (NG4A-CY-VDPID-0050422)		FISHER	D4	Pressure Control Valve - 2" 1500# RTJ Process Connections, CS Body, Stainless Steel Trim w/Hardened Seat and Plug, Class IV Shutoff, Pneumatic Diaphragm, Fail Closed, 317 SS Tubing, 13.4 Cv
	PY-966201-09	Power Gas Scrubber Inlet Pressure Control Valve Positioner	1/4" FNPT	N/A	N/A	N/A	0	100	N/A	%				3582	Pneumatic Positioner - 1/4" Supply and Output Ports, Gauges, 6-30 psig Control Input, 0-35 psig Control Output
		Power Gas Scrubber Inlet Pressure Control Valve Positioner Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	125	Set = 40	PSIG				67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge
3	PIC-966201-09	Power Gas Scrubber Inlet Pressure Control Valve Pressure Indicating Controller	N/A	N/A	N/A	P	0	300	Set = 135	PSIG	P-25046-01 (NG4A-CY-VDPID-0050422)		FISHER	Controller: C1P Snubber: PLV-2550 150-500#	Pressure Indicating Controller - Pipe Mount, Proportional + Reset Pneumatic Controller, 1/4" Ports, Supply/Output Gauges, Gauge Indicator and Set Adjustment, 0-300 # Bourdon Tube, Stainless 1/2" Snubber Set @ 300 psig
		Power Gas Scrubber Inlet Pressure Control Valve Pressure Indicating Controller Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	125	Set = 30	PSIG				67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge
4	PV-966201-10	Power Gas Scrubber Inlet Pressure Control Valve	2" 1500# RTJ	N/A	N/A	N/A	N/A	N/A	N/A	N/A	P-25046-01 (NG4A-CY-VDPID-0050422)		FISHER	D4	Pressure Control Valve - 2" 1500# RTJ Process Connections, CS Body, Stainless Steel Trim w/Hardened Seat and Plug, Class IV Shutoff, Pneumatic Diaphragm, Fail Closed, 317 SS Tubing, 13.4 Cv
	PY-966201-10	Power Gas Scrubber Inlet Pressure Control Valve Positioner	1/4" FNPT	N/A	N/A	N/A	0	100	N/A	%				3582	Pneumatic Positioner - 1/4" Supply and Output Ports, Gauges, 6-30 psig Control Input, 0-35 psig Control Output
		Power Gas Scrubber Inlet Pressure Control Valve Positioner Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	125	Set = 40	PSIG				67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge
5	PIC-966201-10	Power Gas Scrubber Inlet Pressure Control Valve Pressure Indicating Controller	N/A	N/A	N/A	P	0	300	Set = 130	PSIG	P-25046-01 (NG4A-CY-VDPID-0050422)		FISHER	Controller: C1P Snubber: PLV-2550 150-500#	Pressure Indicating Controller - Pipe Mount, Proportional + Reset Pneumatic Controller, 1/4" Ports, Supply/Output Gauges, Gauge Indicator and Set Adjustment, 0-300 # Bourdon Tube, Stainless 1/2" Snubber Set @ 300 psig
		Power Gas Scrubber Inlet Pressure Control Valve Pressure Indicating Controller Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	125	Set = 30	PSIG				67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge
6	PG-966201-12	3" Line from Stand Pipe to Power Gas Scrubber Pressure Indicator	1/2" MNPT	N/A	N/A	N/A	0	800	Snubber Set= 800	PSIG	P-25046-01 (NG4A-CY-VDPID-0050422)		ASHCROFT	Gauge: 45-1009-SL-04L-XSG-XNH-800# Snubber: 50-2550G XFS @ 800#	Pressure Gauge - 4-1/2" Dial, 1/2" NPT Process Connection, Stainless Steel Case, Glycerin Filled, Shatterproof Lens, Stainless Steel 1/2" Snubber Set @ 800#



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Seq.	Tag Number	Description of Service/Device Type	Process Connection Size/Type/ Rating	Electrical Connections	Hazardous area/ NEMA/IP Rating	Signal Type	Range		Set Point	Engineering Units	P&ID Reference	Hook-Up Detail Reference	Manufacturer	Model Number	Comments
							Minimum (4mA / LRV)	Maximum (20mA / URV)	High High High Low Low Low						
7	PV-966201-11	Power Gas Scrubber Inlet Pressure Control Valve	2" 1500# RTJ	N/A	N/A	N/A	N/A	N/A	N/A	N/A	P-25046-01 (NG4A-CY-VDPID-0050422)		FISHER	D4	Pressure Control Valve - 2" 1500# RTJ Process Connections, CS Body, Stainless Steel Trim w/Hardened Seat and Plug, Class IV Shutoff, Pneumatic Diaphragm, Fail Closed, 317 SS Tubing, 13.4 Cv
	PY-966201-11	Power Gas Scrubber Inlet Pressure Control Valve Positioner	1/4" FNPT	N/A	N/A	N/A	0	100	N/A	%				3582	Pneumatic Positioner - 1/4" Supply and Output Ports, Gauges, 6-30 psig Control Input, 0-35 psig Control Output
		Power Gas Scrubber Inlet Pressure Control Valve Positioner Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	125	Set = 40	PSIG				67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge
8	PIC-966201-11	Power Gas Scrubber Inlet Pressure Control Valve Pressure Indicating Controller	N/A	N/A	N/A	P	0	300	Set = 120	PSIG	P-25046-01 (NG4A-CY-VDPID-0050422)		FISHER	Controller: C1P Snubber: PLV-2550 150-500#	Pressure Indicating Controller - Pipe Mount, Proportional + Reset Pneumatic Controller, 1/4" Ports, Supply/Output Gauges, Gauge Indicator and Set Adjustment, 0-300 # Bourdon Tube, Stainless 1/2" Snubber Set @ 300 psig
		Power Gas Scrubber Inlet Pressure Control Valve Pressure Indicating Controller Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	125	Set = 30	PSIG				67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge
9	SDV-966201-01	Power Gas Scrubber Inlet Shutdown Valve	2" 900 RTJ	N/A	N/A	N/A	N/A	N/A	N/A	N/A	P-25046-01 (NG4A-CY-VDPID-0050422)		PIBIVIESSE	2x1-1/2	Ball Valve - Trunnion, 2" 900# RTJ Process Connections, Reduced Port, API 6D, Fire Safe 607/6FA, ASTM A 105N Body, ASTM A182-F51 w.Tungsten Carbide Overlay Ball and Stem, ASTM A183-F316 Trunnion, ASTM A182 F51 w.Tungsten Carbide Overlay Metal Seats, HNBR Seals and O-Rings, F316SS 95% Graphite Gaskets
		Power Gas Scrubber Inlet Shutdown Valve Actuator	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				BETTIS	CBB 525-SR80-CW
	SDY-966201-01	Power Gas Scrubber Inlet Shutdown Valve Solenoid	1/4" FNPT	N/A	N/A	N/A	N/A	N/A	N/A	N/A			VERSA	CAP-3301-316-356B	Solenoid - 3 Way Type, Pneumatic Pilot, Block and Bleed Action, Manual Reset
	ZSO-966201-01 ZSC-966201-01	Power Gas Scrubber Inlet Shutdown Valve Limit Switches	N/A	(3) 3/4" FNPT (1) 1/2" FNPT	Class 1 Div. 2 Grp. C&D NEMA 4X	DI	N/A	N/A	N/A	N/A			WESTLOCK	366-SBY2M0600	Limit Switches - Valve Top With Beacon, 2 SPDT Sealed Switches, Class 1 Division 1 Aluminum Enclosure Design
		Power Gas Scrubber Inlet Pressure Control Valve Pressure Indicating Controller Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	150	Set = 80	PSIG			FISHER	67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge



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Seq.	Tag Number	Description of Service/Device Type	Process Connection Size/Type/ Rating	Electrical Connections	Hazardous area/ NEMA/IP Rating	Signal Type	Range		Set Point	Engineering Units	P&ID Reference	Hook-Up Detail Reference	Manufacturer	Model Number	Comments
							Minimum (4mA / LRV)	Maximum (20mA / URV)	High High High Low Low Low						
10	SDV-966201-02	Power Gas Scrubber Inlet Shutdown Valve	2" 900# RTJ	N/A	N/A	N/A	N/A	N/A	N/A	N/A	P-25046-01 (NG4A-CY-VDPID-0050422)		PIBIVIESSE	2x1-1/2	Ball Valve - Trunnion, 2" 900# RTJ Process Connections, Reduced Port, API 6D, Fire Safe 607/6FA, ASTM A 105N Body, ASTM A182-F51 w.Tungsten Carbide Overlay Ball and Stem, ASTM A183-F316 Trunnion, ASTM A182 F51 w.Tungsten Carbide Overlay Metal Seats, HNBR Seals and O-Rings, F316SS 95% Graphite Gaskets
		Power Gas Scrubber Inlet Shutdown Valve Actuator	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			BETTIS	CBB 525-SR80-CW	Actuator - Scotch Yoke Type, Pneumatic, Fail Closed, Marine Environment Construction, 317 SS Tubing
	SDY-966201-02	Power Gas Scrubber Inlet Shutdown Valve Solenoid	1/4" FNPT	N/A	N/A	N/A	N/A	N/A	N/A	N/A			VERSA	CAP-3301-316-356B	Solenoid - 3 Way Type, Pneumatic Pilot, Block and Bleed Action, Manual Reset
	ZSO-966201-02 ZSC-966201-02	Power Gas Scrubber Inlet Shutdown Valve Limit Switches	N/A	(3) 3/4" FNPT (1) 1/2" FNPT	Class 1 Div. 2 Grp. C&D NEMA 4X	DI	N/A	N/A	N/A	N/A			WESTLOCK	366-SBY2M0600	Limit Switches - Valve Top With Beacon, 2 SPDT Sealed Switches, Class 1 Division 1 Aluminum Enclosure Design
		Power Gas Scrubber Inlet Pressure Control Valve Pressure Indicating Controller Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	150	Set = 80	PSIG			FISHER	67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge
11	PSV-966201-05	Power Gas Scrubber Inlet Relief Valve	3" 150# RF x 4" 150# RF	N/A	N/A	N/A	N/A	N/A	Set = 245	PSIG	P-25046-01 (NG4A-CY-VDPID-0050422)		CROSBY	3K4 JBS-E-15-J	Pressure Relief Valve (CV Failure) - Balanced Bellows Type, 3" 150# RF x 4" 150# RF Process Connections, Carbon Steel Body, Stainless Steel Trim, Metal Seat, ASME VIII
12	PSV-966201-06	Power Gas Scrubber Inlet Relief Valve	3" 150# RF x 4" 150# RF	N/A	N/A	N/A	N/A	N/A	Set = 245	PSIG	P-25046-01 (NG4A-CY-VDPID-0050422)		CROSBY	3K4 JBS-E-15-J	Pressure Relief Valve (CV Failure) - Balanced Bellows Type, 3" 150# RF x 4" 150# RF Process Connections, Carbon Steel Body, Stainless Steel Trim, Metal Seat, ASME VIII
13	PV-966201-02	Power Gas Scrubber Outlet Pressure Control Valve	2" 300# RF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	P-25046-01 (NG4A-CY-VDPID-0050422)		FISHER	ET	Pressure Control Valve - 2" 300# RF Process Connections, CS Body, Stainless Steel Trim w/Hardened Seat and Plug, Class V Shutoff, Pneumatic Diaphragm, Fail Closed, 317 SS Tubing, Xylan 1424 Bolting, 59.7 Cv
	PIC-966201-02	Power Gas Scrubber Outlet Pressure Control Valve Pressure Switch Low Low	N/A	N/A	N/A	P	8	242	Set = 110 ↓	PSIG				C1P	Pressure Indicating Controller - Pipe Mount, Proportional + Reset Pneumatic Controller, 1/4" Ports, Supply/Output Gauges, Gauge Indicator and Set Adjustment
		Power Gas Scrubber Outlet Pressure Control Valve Indicating Controller Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	125	Set = 30	PSIG				67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge



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Seq.	Tag Number	Description of Service/Device Type	Process Connection Size/Type/ Rating	Electrical Connections	Hazardous area/ NEMA/IP Rating	Signal Type	Range		Set Point	Engineering Units	P&ID Reference	Hook-Up Detail Reference	Manufacturer	Model Number	Comments
							Minimum (4mA / LRV)	Maximum (20mA / URV)	High High High Low Low Low						
14	PV-966201-04	Power Gas Scrubber Outlet Pressure Relief Control Valve	2" 300# RF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	P-25046-01 (NG4A-CY-VDPID-0050422)		FISHER	ET	Pressure Control Valve - 2" 300# RF Process Connections, CS Body, Stainless Steel Trim w/Hardened Seat and Plug, Class V Shutoff, Pneumatic Diaphragm, Fail Closed, 317 SS Tubing, Xylan 1424 Bolting, 59.7 Cv
	PIC-966201-04	Power Gas Scrubber Outlet Pressure Relief Control Valve Pressure Indicating Controller	N/A	N/A	N/A	P	0	300	Set = 170	PSIG				C1P	Pressure Indicating Controller - Pipe Mount, Proportional + Reset Pneumatic Controller, 1/4" Ports, Supply/Output Gauges, Gauge Indicator and Set Adjustment
		Power Gas Scrubber Outlet Pressure Relief Control Valve Pressure Indicating Controller Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	125	Set = 30	PSIG				67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge
15	PG-966201-01	Power Gas Scrubber Pressure Indicator	1/2" MNPT	N/A	N/A	N/A	0	300	N/A	PSIG	P-25046-01 (NG4A-CY-VDPID-0050422)		ASHCROFT	45-1009-SL-04L-XSG-XNH-300#	Pressure Gauge - 4-1/2" Dial, 1/2" NPT Process Connection, Stainless Steel Case, Glycerin Filled, Shatterproof Lens
16	PDI-966201-13	Power Gas Scrubber Differential Pressure Indicator	1/2" FNPT	N/A	N/A	N/A	0	10	N/A	PSID	P-25046-01 (NG4A-CY-VDPID-0050422)		ORANGE RESEARCH	1516DG-1C-4.5B-0-10psid, 1,3	Differential Pressure Indicator - 4.5" Dial, 1/2" FNPT Process Connections, Stainless Steel Pressure Body, Glycerin Filled
17	LG-966201-01	Power Gas Scrubber Level Gauge	3/4" MNPT	N/A	N/A	N/A	0	45.5	N/A	"	P-25046-01 (NG4A-CY-VDPID-0050422)		JERGUSON	47RCH20	Level Gauge - Reflex Type, 3/4" MNPT Union Process Connections, Carbon Steel Chamber, Side Connected, Inside Offset 146 Series Gagecocks, 3/4" Gage, Vent and Drain Connections, 46" C-C, 45.5 VIL, Offshore Coating
18	LV-966201-02	Power Gas Scrubber Level Control Valve	1" 300# RF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	P-25046-01 (NG4A-CY-VDPID-0050422)		FISHER	D4	Level Control Valve - 1" 300# RF Process Connections, CS Body, Stainless Steel Trim w, Class IV Shutoff, Pneumatic Diaphragm, Fail Closed, 317 SS Tubing, 11.2 Cv
	LIC-966201-02	Power Gas Scrubber Level Control Valve Indicating Controller	2" 150# RF	N/A	N/A	P	0	30	High Set = 26 Low Set = 13	" From Bottom Tangent				2500-249B	Level Indicating Controller - 2" 150# RF Side/Side Process Connections, Displacer Type, Differential-Gap On/Off Control, 32" C-C
		Power Gas Scrubber Level Control Valve Indicating Controller Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	125	Set = 30	PSIG				67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge
19	LSHH-966201-03	Power Gas Scrubber Level Switch High-High	1" FNPT	N/A	N/A	P	N/A	N/A	High High = 37.75	" From Bottom Tangent	P-25046-01 (NG4A-CY-VDPID-0050422)		FISHER	2100	Level Switch (High High) - 1" FNPT Process Connections, Float Level Switch, Pneumatic, Street Tee and Bleed Orifice
		Power Gas Scrubber Level Switch High-High Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	125	Set = 30	PSIG				67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge



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							Minimum (4mA / LRV)	Maximum (20mA / URV)	High High High Low Low Low										
20	LSL-966201-04	Power Gas Scrubber Level Switch Low	1" FNPT	1/2" FNPT	Class 1 Div. 1 Grp. A,B,C,&D NEMA 7	DI	N/A	N/A	Low = 13.25	" From Bottom Tangent	P-25046-01 (NG4A-CY-VDPID-0050422)		FISHER	2100E	Level Switch (Low) - 1" FNPT Process Connections, Float Level Switch, SPDT Switch, Explosion Proof				
21	PSV-966202-01	Instrument Gas Filter Separator Inlet Relief Valve	1" 150# RF x 2" 150# RF	N/A	N/A	N/A	N/A	N/A	Set = 245	PSIG	P-25046-02 (NG4A-CY-VDPID-0050423)		CROSBY	1E2 JBS-E-15-J	Pressure Relief Valve (Fire) - Balanced Bellows Type, 1" 150# RF x 2" 150# RF Process Connections, Carbon Steel Body, Stainless Steel Trim, Metal Seat, ASME VIII				
22	PSV-966202-02	Instrument Gas Filter Separator Inlet Relief Valve	1" 150# RF x 2" 150# RF	N/A	N/A	N/A	N/A	N/A	Set = 245	PSIG	P-25046-02 (NG4A-CY-VDPID-0050423)		CROSBY	1E2 JBS-E-15-J	Pressure Relief Valve (Fire) - Balanced Bellows Type, 1" 150# RF x 2" 150# RF Process Connections, Carbon Steel Body, Stainless Steel Trim, Metal Seat, ASME VIII				
23	PG-965201-01	Instrument Gas Filter Separator Pressure Indicator	1/2" MNPT	N/A	N/A	N/A	0	300	N/A	PSIG	P-25046-02 (NG4A-CY-VDPID-0050423)		ASHCROFT	45-1009-SL-04L-XSG-XNH-300#	Pressure Gauge - 4-1/2" Dial, 1/2" NPT Process Connection, Stainless Steel Case, Glycerin Filled, Shatterproof Lens				
24	PG-965201-04	Instrument Gas Filter Separator Bypass Pressure Indicator	1/2" MNPT	N/A	N/A	N/A	0	300	N/A	PSIG	P-25046-02 (NG4A-CY-VDPID-0050423)		ASHCROFT	45-1009-SL-04L-XSG-XNH-300#	Pressure Gauge - 4-1/2" Dial, 1/2" NPT Process Connection, Stainless Steel Case, Glycerin Filled, Shatterproof Lens				
25	PIT-965201-05	Instrument Gas Filter Separator Bypass Pressure Transmitter	1/2" MNPT	1/2" FNPT	IEC Ex Ia IIC T4 IP66/68	AI	0	300	TBD	PSIG	P-25046-02 (NG4A-CY-VDPID-0050423)		ROSEMOUNT	Transmitter: 3051TG3A2B21AI7M5P1Q4Q8S5 Manifold: 0306RT22AA11	Pressure Transmitter - 1/2" FNPT Direct Process Connection, Loop Powered, HART, LCD, 1/2" FNPT Conduit Connection, IECex Intrinsically Safe Aluminum Enclosure, 1/2" MNPTx MNPT 2 Valve Stainless Manifold				
26	PDI-965201-02	Instrument Gas Filter Separator Differential Pressure Indicator	1/2" FNPT	N/A	N/A	N/A	0	10	N/A	PSID	P-25046-02 (NG4A-CY-VDPID-0050423)		ORANGE RESEARCH	1516DG-1C-4.5B-0-10psid, 1,3	Differential Pressure Indicator - 4.5" Dial, 1/2" FNPT Process Connections, Stainless Steel Pressure Body, Glycerin Filled				
27	LG-965201-01	Instrument Gas Filter Separator Lower Section Level Indicator	3/4" MNPT	N/A	N/A	N/A	0	17.25	N/A	"	P-25046-02 (NG4A-CY-VDPID-0050423)		JERGUSON	25RCH20	Level Gauge - Reflex Type, 3/4" MNPT Union Process Connections, Carbon Steel Chamber, Side Connected, Inside Offset 146 Series Gagecocks, 3/4" Gage, Vent and Drain Connections, 17" C-C, 17.25 VIL, Offshore Coating				
28	LG-965201-02	Instrument Gas Filter Separator Upper Section Level Indicator	3/4" MNPT	N/A	N/A	N/A	0	17.25	N/A	"	P-25046-02 (NG4A-CY-VDPID-0050423)		JERGUSON	25RCH20	Level Gauge - Reflex Type, 3/4" MNPT Union Process Connections, Carbon Steel Chamber, Side Connected, Inside Offset 146 Series Gagecocks, 3/4" Gage, Vent and Drain Connections, 17" C-C, 17.25 VIL, Offshore Coating				
29	LSHH-965201-02	Instrument Gas Filter Separator Lower Section Level Switch High-High	1" FNPT	N/A	N/A	P	N/A	N/A	High High = 20.5	" From Bottom Tangent	P-25046-02 (NG4A-CY-VDPID-0050423)		FISHER	2100	Level Switch (High High) - 1" FNPT Process Connections, Float Level Switch, Pneumatic, Street Tee and Bleed Orifice				
		Instrument Gas Filter Separator Lower Section Level Switch High-High Instrument Air Filter Regulator	1/4" FNPT	N/A	N/A	N/A	0	125	Set = 30	PSIG				67CFSR	Instrument Air Regulator - 1/4" Ports, Stainless Steel Construction, 40 Micron Filter, Output Gauge				