

پیشنهاد فنی

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پیوست: دارد (کاتالوگ)

نام خریدار: شرکت محترم پالایش میعانات گازی آدیش جنوبی
قابل توجه: سرکار خانم مهندس مرادی
عنوان درخواست: ۰۰۱۱

Item	Description				
A	Differential Pressure Gauge Tag No.: as below (SS Tag Plate will be provided as attached picture.) Type: Diaphragm (Elastic element: AISI 316L st.st.) Range: as below , Dual Range (Psi , Bar) Dial Size: 100mm Case Material: Stainless Steel Process Connection: 1/2" NPTM (will be coupled to Manifold: Remote) Process Connection Material: S.S. 316 Accuracy Class: 1.6 as per EN 837 Protection Degree: IP65 Model: MD15 MFR: NUOVAFIMA				
	Accessories 3 Valve Manifold Max Working Pressure: 6000 Psi Material: S.S.316L (NACE MR 0175) Inlet Connection: 1/2" NPTF Outlet Connection: 1/2" NPTF Vent Connection: 1/4" NPTF Model: 3VM01S MFR: VEELOK				
Item	Tag No.	Dial Range	Qty	Delivery	Remark
1	DPI-A	2.5 Bar	1	In Stock	
2	DPI-B	2.5 Bar	1	In Stock	

Item	Description				
B	Pressure Gauge Tag No.: as below (SS Tag Plate will be provided.) Type: Solid Front , Bourdon Tube (seamless tube: AISI 316L st.st) Range: as below Dial Size: 150mm Case Material: Stainless Steel Process Connection: 1/2" NPTM , Bottom Process Connection Material: S.S. 316 Accuracy Class: 1 as per EN 837-1 Protection Degree: IP65 Model: MGS20 MFR: NUOVAFIMA				
Item	Tag No.	Range(Bar)	Qty	Delivery	Remark
1	PI-500	0-100	1	14-16 Working Weeks	
2	PI-1100	0-100	1		
3	PI-1300C	0-100	1		

Item	Description						
D	Temperature Gauge Tag No.: as below (SS Tag Plate will be provided as attached picture.) Type: Bi-Metal Range: as below Accuracy Class: 1 as per EN 13190, measuring Range Protection Degree: IP65 Dial Size: 6"(150/160 mm) Dial: Aluminium white with black marking Case: Stainless Steel Process Connection: 1/2" NPTM , Every Angle (Sliding male and swivel nut) Process Connection Material: S.S.316 Stem Diameter: 6 mm Stem Length: 300 mm Stem Material: AISI 316 st. st. Window: Safety Glass Zero-Adjustment: External Zero-Adjustment Screw Model: TB8 MFR: NUOVAFIMA						
	Item	Tag No.	Range (°C)	Stem Diameter (mm)	Stem Length (mm)	Qty	Delivery
	1	TI-1300	0-100	6	300	1	In Stock
	2	TG-505-023	0-100	6	300	1	In Stock

Item	Description						
E	Levelflex Tag No.: as below (SS Tag Plate will be provided as attached picture) Approval: ATEX II 1/2G Ex ia IIC T6 Ga/Gb Power Supply; Output: 2-wire; 4-20mA HART Display, Operation: SD03 4-line, illum., touch control + data backu Housing: GT20 dual compartment, Alu, coated Electrical Connection: Gland M20, IP66/68 NEMA4X/6P Probe: as below , rope 4mm, 316, max 150mm nozzle height, cent Seal: FKM Viton, -30...150oC/-22...302oF Process Connection: NPS 6" Cl.300 RF, 316/316L flange ASME B Additional Operation Language: English Calibration: 3-point linearity protocol observe minimum probe length, rod/coax >= 1000mm, rope >= 1250mm Test, Certificate: 3.1 Material certificate, wetted metallic parts, EN10204-3.1 inspection certificate Model: FMP51-BBAECALAA4AUJ+AAF3JAZ1 MFR: E+H						
	Item	Tag No.	Range (mm)	Qty	Delivery	Remark	
	1	LI-523-006	0-4600	1	14-16 Working Weeks	Please specify the exact order code you require	

Please notify that the "Level Transmitter" already supplied by Client, and now we request a "Local Indicator" which be compatible with mentioned transmitter. If you require any further information, please do not hesitate to contact us.

The Local Indicator shall be compatible with already purchased LT-523-006 with Order Code: FMP51-BBAECALAA4AUJ+AAF3JAZ1.

Item	Description					
F	Pressure Transmitter Tag No.: as below (SS Tag Plate will be provided as attached picture.) Type: Gauge Pressure Transmitter Calibration Range: as below Output Signal: 4 to 20 mA DC Output with Digital Communication (HART 5/HART 7 protocol) Measurement Span (capsule): 0.1 to 10 MPa (14.5 to 1450 psi) (~1.00 to ~99.97 bar) Process Connector Material: 316L S.S. Diaphragm Material: Hastelloy C-276 Amplifier Housing: Cast aluminum alloy Process Connections: 1/2" NPTF Electrical Connection: M20 female, two electrical connections without blind plugs Accuracy Class: $\pm(0.005+0.0035 \text{ URL/ span}) \%$ of Span Integral Indicator: Digital indicator With the Range Setting Switch (Push Button) Mounting Bracket: 316 SST 2-inch Pipe Mounting Approval: IECEx Intrinsically safe and Flameproof Intrinsically safe Ex ia Certificate: IECEx DEK 11.0081X Applicable Standard: IEC 60079-0, IEC 60079-11 Ex ia IIC T4 Ga Enclosure: IP66/IP67 Amb. Temp.: -50 to 60°C (-58 to 140°F), Max. Process Temp.: 120°C (248°F) Electrical Parameters: $U_i=30V$, $I_i=200mA$, $P_i=0.9W$, $C_i=27.6nF$, $L_i=0 \mu H$ Intrinsically safe Ex ic Certificate: IECEx DEK 13.0061X Applicable Standard: IEC 60079-0, IEC 60079-11 Ex ic IIC T4 Gc IP code: IP66 Amb. Temp.: -30 to 60°C (-22 to 140°F) *2, Max. Process Temp.: 120°C (248°F) Electrical Parameters: $U_i=30V$, $C_i=27.6 nF$, $L_i=0 \mu H$ Model: EJA530E-JCS4N-014EL/SU22/YT07/M15/HAC MFR: Yokogawa					
	Accessories Hex Nipple Max Working Pressure: 6000 Psi Material: S.S.316L (NACE MR 0175) Connection: 1/2" NPTM * 1/2" NPTM Model: HN8 MFR: VEELK 2 Valve Manifold Max Working Pressure: 3000 Psi Material: S.S.316L (NACE MR 0175) Inlet Connection: 1/2" NPTF Outlet Connection: 1/2" NPTF Vent Connection: 1/4" NPTF Model: 2VM01S8FF MFR: VEELK					
Item	Tag No.	Calibration Range (Bar)	Instrument Range	Qty	Delivery	Remark
1	PT-521-020	0-30	0.1 to 10 Mpa	1	In Stock	

The instrument range shall be mentioned in [bar].

Item	Description						
G	Pressure Gauge Tag No.: as below (SS Tag Plate will be provided as attached picture.) Type: Diaphragm (Model: MN18) , Bourdon Tube (Model: MGS18) Range: as below Dial Size: 150 mm Case Material: Stainless Steel, Fillable, Filled By Glycerin Process Connection: 1/2" NPTM , Bottom Precess Connection Material: S.S. 316 Elastic Element: AISI 316 Ti st.st. diaphragm. Accuracy Class: 1.0 as per EN 837-1 Protection Degree: IP65 Model: as below MFR: NUOVAFIMA						
	Accessories 2 Valve Manifold Max Working Pressure: 6000 Psi Material: S.S.316L (NACE MR 0175) Inlet Connection: 1/2" NPTF Outlet Connection: 1/2" NPTF Vent Connection: 1/4" NPTF Model: 2VM01S8FF MFR: VEELOK +Test & Inspection Certificate (for Veelok products)						
Item	Tag No.	Range (Bar)	Type / Model	Manifold	Qty	Delivery	Remark
1	PG-555-004A/B	0-0.6	Diaphragm / MN18	Yes	2	14-16 Working Weeks	
2	PG-555-003A/B	0-60	Bourdon Tube / MGS18	Yes	2	In Stock	
3	PG-555-009A/B	0-0.6	Diaphragm / MN18	Yes	2	14-16 Working Weeks	
4	PG-555-008A/B	0-16	Bourdon Tube / MGS18	Yes	2	In Stock	
5	PG-517-067A/B	0-16	Bourdon Tube / MGS18	Yes	2	In Stock	

Item	Description			
H	Pressure Transmitter			
	Tag No.: as below (SS Tag Plate will be provided as attached picture.)			
	Type: In-Line Pressure Transmitter			
	Range: –14.7 to 150 psi (-1.01 to 10.34 bar)			
	Calibration Range: 0 to 10 Kg/cm2 (g) (for PT-522-307A/B) & 0 to 5 bar (PT-520-303A)			
	Output: 4–20 mA with digital signal based on HART® Protocol			
	Case Material: Stainless Steel			
	Process Connection: 1/2" NPT Female			
	Precess Connection Material: S.S. 316			
	Isolating Diaphragm Material: S.S. 316			
	Sensor Fill Fluid: Silicone			
	Housing Material: Aluminum			
	Electrical Connection: M20 x 1.5 (with Cable Gland)			
	Mounting Bracket: Bracket for 2-in. pipe or panel mounting, all stainless steel			
	Product Certifications: NA			
Display: Yes, LCD display				
Model: 3051TG2A2B21BB4M5				
MFR: ROSEMOUNT				
Accessories				
	Hex Nipple			
	Max Working Pressure: 6000 Psi			
	Material: S.S.316L (NACE MR 0175)			
	Connection: 1/2" NPTM * 1/2" NPTM			
	Model: HN8			
	MFR: VEELOK			
	2 Valve Manifold			
	Max Working Pressure: 6000 Psi			
	Material: S.S.316L (NACE MR 0175)			
	Inlet Connection: 1/2" NPTF			
	Outlet Connection: 1/2" NPTF			
	Vent Connection: 1/4" NPTF			
	Model: 2VM01S8FF			
MFR: VEELOK				
Item	Tag No.	Qty	Delivery	Remark
1	PT-522-307A/B	2	In Stock	
2	PT-520-303A	1	In Stock	

Item	Description			
J	Differential Pressure Transmitter			
	Tag No.: as below (SS Tag Plate will be provided as attached picture.)			
	Type: Coplanar pressure transmitter ,Differential			
	Range: –300 to 300 psi (–20.68 to 20.68 bar)			
	Calibration Range: 0 to 4 Kg/cm2 (g)			
	Output: 4–20 mA with digital signal based on HART® Protocol			
	Case Material: Stainless Steel			
	O-ring: Glass-filled PTFE			
	Isolating Diaphragm Material: S.S. 316			
	Sensor Fill Fluid: Silicone			
	Housing Material: Aluminum			
	Electrical Connection: M20 x 1.5			
	Mounting Bracket: Coplanar flange bracket, all SST, 2-in. (51 mm) pipe and panel			
	Product Certifications: NA			
	Display: Yes, LCD display			
	Model: 3051CD4A22A1BB4M5			
	MFR: ROSEMOUNT			
Accessories				
	5 Valve Manifold			
	Max Working Pressure: 6000 Psi			
	Material: S.S.316L (NACE MR 0175)			
	Inlet Connection: 2 * 1/2" NPTF			
	Outlet Connection: Suitable For Pressure Transmitter Model 3051			
	Vent Connection: 1/4" NPTF			
	Model: 5VM05S			
MFR: VEELOK				
Item	Tag No.	Qty	Delivery	Remark
1	PDT-522-301A/B	2	In Stock	

Item	Description			
K	Differential Pressure Transmitter Tag No.: as below (SS Tag Plate will be provided as attached picture.) Type: Coplanar pressure transmitter ,Differential Range: -300 to 300 psi (-20.68 to 20.68 bar) Calibration Range: 0 to 4 Kg/cm2 (g) Output: 4-20 mA with digital signal based on HART® Protocol Case Material: Stainless Steel O-ring: Glass-filled PTFE Isolating Diaphragm Material: S.S. 316 Sensor Fill Fluid: Silicone Housing Material: Aluminum Electrical Connection: M20 x 1.5 Mounting Bracket: Coplanar flange bracket, all SST, 2-in. (51 mm) pipe and panel Product Certifications: ATEX Intrinsic Safety Display: Yes, LCD display Model: 3051CD4A22A1BB4I1M5 MFR: ROSEMOUNT			
	Accessories			
	5 Valve Manifold Max Working Pressure: 6000 Psi Material: S.S.316L (NACE MR 0175) Inlet Connection: 2 * 1/2" NPTF Outlet Connection: Suitable For Pressure Transmitter Model 3051 Vent Connection: 1/4" NPTF Model: 5VM05S MFR: VEELOK			
Item	Tag No.	Qty	Delivery	Remark
1	PDT-522-301A/B	2	In Stock	

Item	Description				
L	Differential Pressure Transmitter Tag No.: as below (SS Tag Plate will be provided as attached picture.) Type: Level transmitter Range: –250 to 250 inH2O (–621.60 to 621.60 mbar) Calibration Range: 0 to 2000 mmWC Output: 4–20 mA with digital signal based on HART® Protocol Process connection: 2-in./DN 50/A, 316L SST, Flush mount only Mounting Flange: 2-in. , ASME B16.5 Class 300 , 316 SST Seal Fill Fluid: Silicone 200 , –49 to 401 °F (–45 to 205 °C) Low Pressure Side: Differential O-ring: Glass-filled PTFE Housing Material: Aluminum Electrical Connection: M20 x 1.5 Product Certifications: NA Display: Yes, LCD display Model: 3051L2AG0YD21ABM5 MFR: ROSEMOUNT				
	Accessories				
	5 Valve Manifold Max Working Pressure: 6000 Psi Material: S.S.316L (NACE MR 0175) Inlet Connection: 2 * 1/2" NPTF Outlet Connection: Suitable For Pressure Transmitter Model 3051 Vent Connection: 1/4" NPTF Model: 5VM05S MFR: VEELOK				
	Item	Tag No.	Qty	Delivery	Remark
	1	LT-522-301A/B	2	In Stock	

Item	Description				
M	Temperature Gauge				
	Tag No.: as below (SS Tag Plate will be provided as attached picture.)				
	Type: Bi-Metal				
	Range: as below				
	Accuracy Class: 1 as per EN 13190, measuring Range				
	Protection Degree: IP65				
	Dial Size: 6"(150mm)				
	Case: Stainless Steel				
	Process Connection: 1/2" NPTF , Every Angle				
	Process Connection Material: S.S.316				
	Stem Diameter: 6mm				
	Stem Length: 200				
	Model: S551				
	MFR: WIKA				
Item	Tag No.	Range (°C)	Qty	Delivery	Remark
1	TG-521-212B, TG-521-213B, TG-521-214B, TG-521-215B	0-200	4	In Stock	

Item	Description				
N	Orifice Plate				
	Tag No.: as below (The tag number and the orientation will be engraved on the handle)				
	Type: Restriction Orifice				
	Orifice Plate Thickness: 3mm				
	Size: 1/2" - #300				
	Material: S.S.316L				
	Bore Diameter: 3.2 mm				
	MFR: ISATIS				
	+ MTC (Material Test Certificate)				
Item	Tag No.	Qty	Delivery	Remark	
1	RO-517-401A/B	2	10 Working Days		
2	RO-517-402A	1	10 Working Days		
3	RO-517-403B	1	10 Working Days		
4	RO-517-404A	1	10 Working Days		
5	RO-517-405A/B	2	10 Working Days		
6	RO-517-401AA/BB	2	10 Working Days		

Item	Description			
E	Level Transmitter			
	Tag No.: as below (The tag number and the orientation will be engraved on the handle)			
	Type: Differential Pressure			
	Calibration Range: 0-2000 mmH2O			
	Output signal: 4 to 20 mA DC with digital communication (HART 5/HART 7 protocol)			
	Measurement span (capsule): 1 to 100 kPa (4 to 400 inH2O)			
	Process connections: 1/4 NPT female on the cover flanges (Coupled to Diaphragm Seal)			
	Bolts and nuts material: 316L SST			
	Installation: Horizontal piping and left side high pressure			
	Amplifier housing: Cast aluminum alloy			
	Fill Fluid: Silicone			
	Diaphragm Material: Hastelloy C-276			
	Electrical connection: M20*1.5 female, two electrical connections			
	Integral indicator: Digital indicator with the range setting switch (push button)			
	Mounting bracket: 304 SST 2-inch pipe mounting, flat type (for horizontal piping)			
	Ambient Temperature Effects per 28°C (50°F) Change: ±(0.07% Span + 0.02% URL)			
	Process Temperature Limits -40 to 120°C (-40 to 248°F			
	Cover O-ring: Buna-N			
	Approval:			
	Multiple types of protection (KF22, KS21 (II 1 G Ex ia IIC T4 Ga, II 2 D Ex ia IIIC T85°C T100°C T120°C Db) or Intrinsically safe Ex ic)			
	Applicable Standard: EN IEC 60079-0, EN 60079-11			
	II 3 G Ex ic IIC T4 Gc, Amb. Temp.: -30 to 60°C (-22 to 140°F)			
	Ui=30 V, Ci=27.6 nF, Li=0 µH			
	Degrees of Protection: IP66/IP67			
	Power Supply: 10.5 to 32 V DC			
	External Zero Adjustment: Yes			
	Failure Alarm: Yes			
	Model: EJA110E-JMS5G-914EB/KU22			
MFR:Yokogawa				
	Accessories			
	Diaphragm Seal With Capillary (2 Sets for High and low sides)			
	Type: Flanged, Flushed Type, Remote with Capillary			
	Fill Fluid: Silicone			
	Body Material: S.S.316L			
	Diaphragm Material: S.S.316L			
	Process Connection: 2" 150# RF , ASME B16.5			
	Capillary Length: 6 m for each leg			
	Capillary Material: S.S.316+ PVC armor			
	MFR: ISATIS			
Item	Tag No.	Qty	Delivery	Remark
E-1	LZT-526-083	1	10 Working Days	

Item	Description									
F	Pressure Gauge									
	Tag No.: as below (SS Tag Plate will be provided.)									
	Type: Solid Front , Bourdon Tube (seamless tube: AISI 316L st.st)									
	Range: as below									
	Dial Size: 150 mm									
	Dial: Aluminium, White with Black Markings									
	Movement: Stainless Steel with Internal Limit Stops									
	Socket Material: AISI 316L st.st.									
	Case, Ring and Blow-out Disk: AISI316L st.st									
	Process Connection: 1/2" NPTM , Bottom									
	Precess Connection Material: S.S. 316									
	Accuracy Class: 1 as per EN 837-1									
	Protection Degree: IP65									
	Pointer: Adjustable									
	Model: MGS20									
MFR: NUOVAFIMA										
Accessories										
	Diaphragm Seal									
	Type: Threaded , Direct , Flush									
	Body Material: S.S.316									
	Fill Fluid: Silicone									
	Diaphragm Material: S.S.316									
	Process Connection: 1/2" NPT Male									
	Gauge Connection: 1/2" NPT Female									
	MFR: ISATIS									
	Pressure Gauge Snubber (PGS)					Adjustable Overload Protector (AOP)				
	Max. Working Pressure: 6000 psi					Max. Working Pressure: 6000 psi				
	Material : S.S.316L (NACE MR 075)					Material : S.S.316L (NACE MR 075)				
	Inlet Connection: 1/2" NPT Male					Inlet Connection: 1/2" NPT Male				
	Outlet Connection: 1/2" NPT Female					Outlet Connection: 1/2" NPT Female				
	Model : PGSS8MF					Setting Range: 2~60 bar				
	MFR: Veelok					Model : AOP				
					MFR: Veelok					
Item	Tag no.	Range (bar)	Accessories				Qty	Delivery	Remarks	
			PGS	AOP	Glycerine	Diaphragm Seal				
F-1	PG-526-121	0-2.5	No	Yes	Yes	Yes	1	14-16 Working Weeks		
F-2	PG-526-120	0-4	Yes	Yes	Yes	Yes	1	14-16 Working Weeks		

Item	Description			
G	Flow Transmitter Tag No.: as below (The tag number and the orientation will be engraved on the handle) Type: Differential Pressure Calibration Range: 0-2000 mmH2O Output signal: 4 to 20 mA DC with digital communication (HART 5/HART 7 protocol) Measurement span (capsule): 1 to 100 kPa (4 to 400 inH2O) Process connections: 1/4 NPT female on the cover flanges (Coupled to Diaphragm Seal) Bolts and nuts material: 316L SST Installation: Horizontal piping and left side high pressure Amplifier housing: Cast aluminum alloy Fill Fluid: Silicone Diaphragm Material: Hastelloy C-276 Electrical connection: M20*1.5 female, two electrical connections Integral indicator: Digital indicator with the range setting switch (push button) Mounting bracket: 304 SST 2-inch pipe mounting, flat type (for horizontal piping) Ambient Temperature Effects per 28°C (50°F) Change: ±(0.07% Span + 0.02% URL) Process Temperature Limits -40 to 120°C (-40 to 248°F) Cover O-ring: Buna-N Approval: Multiple types of protection (KF22, KS21 (II 1 G Ex ia IIC T4 Ga, II 2 D Ex ia IIIC T85°C T100°C T120°C Db) or Intrinsically safe Ex ic) Applicable Standard: EN IEC 60079-0, EN 60079-11 II 3 G Ex ic IIC T4 Gc, Amb. Temp.: -30 to 60°C (-22 to 140°F) Ui=30 V, Ci=27.6 nF, Li=0 µH Degrees of Protection: IP66/IP67 Power Supply: 10.5 to 32 V DC External Zero Adjustment: Yes Failure Alarm: Yes Model: EJA110E-JMS5G-914EB/KU22 MFR:Yokogawa +Calibration Certificate			
	Accessories			
	Manifold Type: 3 Valve Material: S.S.316L (NACE MR0175) Max Working Pressure: 6000 psi Inlet Connection: 1/2" NPT Female Outlet Connection: Flange Vent Connection: 1/4" NPT Female Model: 3VM03S MFR:Veelok	Orifice Plate Size: 1 1/2" 300# Type: Square Edge & Concentric Orifice Facing: Raised Material: SS316 Plate Thickness: 3 mm Bore Diameter: will be calculated after PO Vent Hole Diameter(mm): will be calculated after PO MFR: Isatis	Orifice Flange Type: Weld Neck Material: ASTM A105 Size: 1-1/2" #300 RF , ASME B16.36 Tap Size: 2 * 1/4" NPT Female MFR: FAD or Equivalent	
	Gasket Material Size: Acc. to size of Flanges Type: Spiral Wound Material: SS304 + Graphite Filler , ASME B16.20 MFR: Behta Flange Stud Bolt and Hex Nuts (Material: Stud Bolts to ASTM A193 GR.B7, Nuts to ASTM A194 GR.2H)			
Item	Tag No.	Qty	Delivery	Remark
G-1	FT-517-070	1	10 Working Days	

شرایط:

برای اقام فوق گواهی کالیبراسیون و گواهی اصالت (نسخه الکترونیکی) ارائه میگردد.

تحويل: انبار شرکت ایساتیس فرایند ابزار

اقلام موجود بر اساس موجودی روز انبار می باشد و هنگام ثبت سفارش نیاز به استعلام مجدد خواهد بود.

مهندس فروش: فرناز سوری Tel: +98 21 88480795 & 7 Ext: 216