



TriNova-Florida  
 Formerly AMJ  
 4110 South Florida Ave, Suite 200  
 Lakeland, FL 33813  
 800-881-1487 Office | 863-687-0077 Fax  
[FLSales@trinovainc.com](mailto:FLSales@trinovainc.com)

# QUOTATION

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**Quotation For:**

UTILITIES, INC  
 2335 SANDERS ROAD  
 NORTHBROOK IL 60062  
 Ph: (407) 436-4004

**Fx:**

**Quotation#:** 1602693  
**Revision#:**  
**Date:** 03/11/16  
**Prin Quote#:**

**Attn:** SEYD MATTESON **E-Mail:** SJMATTESON@UIWATER.COM  
**Ref:** CHEMICAL FEED SYSTEM IMPROVEMENTS

**Please Address Order To:**

TRINOVA FLORIDA, FORMERLY AMJ  
 \*\* FLSALES@TRINOVAINC.COM \*\*  
 4110 SOUTH FLORIDA AVE, SUITE 200  
 LAKELAND FL 33813

**FOB:** FACTORY SHIP POINT  
**Delivery:** 9-10 Weeks, ARO  
**Salesman:** DAVID RAMSEY  
**Validity:** 30 DAYS  
**Terms:** NET 30 DAYS

AMJ Equipment is now part of the TriNova team. With our combined strengths, we can offer our customers a more complete line of products and services. If you need assistance, please contact us at 863-682-4500 or FLSALES@TRINOVAINC.COM.

Item	Qty	Part#/Description	Unit Price	Total Price
		<b>Simplex Sodium Bisulfite Skid Package</b>		
1	2	7749016 SS1-C_FLOOR_050_PVC\VITON  1/2" PVC/Vitonr Dosing System PP/PE skid for solenoid driven pumps, (20"W x 18"D x 40"H) 1/2" PVC/Viton socket weld pipe and fittings Wye strainer 500ml PVC calibration column Pressure relief valves Pressure gauge with isolator Back pressure valve Plumbing and components rated at 150 PSI regardless of pump pressure.	2,263.12	4,526.24
2	2	SW000000 TERMINAL BOX MOUNTING KIT	224.97	449.94
3	2	GMXA2504NPE20000UDC1300EN ProMinent Gamma X is a microprocessor-based solenoid driven diaphragm programmable pump. Continuous electronic stroke length adjustment from 0 - 100%. Stroke rate adjustment in 1 stroke/hour increments from 0 to 12,000 strokes/h  Standard features include: - Remote on/off and external contact input 1:1 with pulse control. - Backlit dot matrix display with 3-LED indicators - Fiberglass-reinforced, PPE plastic housing rated to IP65.  Capacity Data: - Flow Rate: 1GPH; 3.8L/H - Pressure: 25BAR; 363PSI	1,512.62	3,025.24
***** CONTINUED ON PAGE 2 *****				



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Selected options:				
- Liquid end materials: Acrylic/PVC or Acrylic/PVDF (auto-degas)				
- Diaphragm/seals: EPDM/PTFE coated				
- Liquid end version: Bleed valve, w/o valve springs				
- Hydraulic connections: 3/8" High Pres.2504				
- Diaphragm rupture indicator: Not included				
- Version: Standard				
- Logo: Standard, with logo				
- Electrical connection: Universal, 100-230 V, +/-10% 50/60 Hz				
- Cable and plug: N.American plug, 115V				
- Relay, pre-set: Fault relay + 4-20ma output				
- Accessories: Ft.valve, inj.valve, tubing (included)				
- Control variant: Manual + external 1:1 with pulse control + 4/20mA				
- Metering monitor: Pulse signal input				
- Bluetooth remote stop: Not included				
- Language: Standard (English)				
4	2	1001301 PROMINENT UNIVERSAL CONTROL CABLE 15' (REQUIRED FOR PUMP CONTROL)	47.25	94.50
5	2	7745879 TERMINAL BOX KIT, 1 PUMP, GFI RECEPTACLE	514.06	1,028.12
6	2	FREIGHT ESTIMATED FREIGHT TO SITE	375.00	750.00
<b>FERRIC CHLORIDE FEED SKID</b>				
7	1	7749023 SS1-E_FLOOR_050_PVC\VITON  1/2" PVC/Vitonr Dosing System PP/PE skid for solenoid driven pumps, (30"W x 30"D x 60"H) 1/2" PVC/Viton socket weld pipe and fittings Wye strainer 500ml PVC calibration column Pressure relief valves Pressure gauge with isolator Back pressure valve Plumbing and components rated at 150 PSI regardless of pump pressure.	2,928.82	2,928.82
8	2	SW000000 TERMINAL BOX MOUNTING KIT	224.97	449.94
9	2	DLTA1020NPE2000UDC131EN0 ProMinent Delta is a microprocessor based, solenoid ***** CONTINUED ON PAGE 3 *****	2,040.51	4,081.02



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Item	Qty	Part#/Description	Unit Price	Total Price
		<p>driven diaphragm programmable pump designed to deliver rates, ranging from 2.0 gallons per hour at 363 psi (7.5 l/h at 25 bar) up to 19.8 gallons per hour at 29 psi (75 l/h at 2 bar). Independent suction &amp; discharge stroke duration allows for continuous metering with a 36,000:1 turndown ratio. A ProMinentr control cable is required for external control.</p> <p>Capacity Data:</p> <ul style="list-style-type: none"> <li>- Flow Rate: 19.1L/H; 5.05GPH</li> <li>- Pressure: 10BAR; 145PSI</li> </ul> <p>Selected options:</p> <ul style="list-style-type: none"> <li>- Liquid End Material: Acrylic/ PVC</li> <li>- Seal Material: EPDM seals with PTFE Diaphragm</li> <li>- Liquid End Version: with bleed valve, w/o valve springs</li> <li>- Connection: Standard according to technical data</li> <li>- Diaphragm Failure: W/o diaphragm rupture indicator</li> <li>- Labeling: Standard w/ ProMinent Logo , without lock</li> <li>- Electrical Connection: 115-230 V, 50/60 Hz</li> <li>- Cable and Plug: 2m USA / 115V</li> <li>- Relay: Option 1 + 4-20 mA analog out (24 VAC)+fault out</li> <li>- Accessories: With accessories (Standard FV,IV,TB)</li> <li>- Control Version: Manual + external with pulse control &amp; analog control</li> <li>- Access Code: with Access code</li> <li>- Language: English</li> <li>- Pause/Float: Standard</li> <li>- Approval: CE and NSF/ANSI 61 (acrylic or PVDF)</li> </ul> <p>(1 pump is shipped loose and is a spare)</p>		
10	1	1001301 PROMINENT UNIVERSAL CONTROL CABLE 15' (REQUIRED FOR PUMP CONTROL)	47.25	47.25
11	1	7745879 TERMINAL BOX KIT, 1 PUMP, GFI RECEPTACLE	514.06	514.06
12	1	FREIGHT ESTIMATED FREIGHT TO SITE	375.00	375.00
		<b>FERRIC SKID OPTION (NOT INCLUDED IN TOTALS)</b>		
13	1	WHITE PP ENCLOSURE WHITE POLY-PRO ENCLOSURE FOR OUTDOOR INSTALLATION		
			**\$6,175.00**	

METHANOL CHEMICAL FEED SKID

\*\*\*\*\* CONTINUED ON PAGE 4 \*\*\*\*\*



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Item	Qty	Part#/Description	Unit Price	Total Price
14	1	P2_Dlta_METHANOL_316SS Duplex primary/backup methanol feed skid package  PP/PE skid for solenoid driven pumps, (42"W x 36"D x 72"H) 1/2" 316SS compression fittings and tubing Wye strainer 500ml SS/Glass calibration column Two pressure relief valves Pressure gauge with isolator Back pressure valve Plumbing and components rated at 150 PSI regardless of pump pressure.	13,783.00	13,783.00
15	2	PROMUS130ASS1002X01I0 ProMus is a motor driven metering pump w/ a hydraulic actuated teflon diaphragm. The plunger and diaphragm is hydraulically coupled and is precisely controlled by a mechanically actuated replenishment valve, which senses diaphragm position to admit coupling fluid as needed. Built in accordance to API 675 standards, the ProMus pump comes in three size liquid ends: 17, 30, and 40. Stroke length adjustment from 0 - 100%, in 1% increments. Stroking rate varies for different models from 35 to 138 strokes per minute.  Capacity Data: - Flow Rate: 22.7 L/H; 6.00 GPH - Pressure: MAX 143.4 BAR; MAX 2080 PSI  Selected options: - Pump version: Size 30 liquid end with 5/8" plunger - Liquid end material: Stainless steel single ball - Connectors: Standard connectors - Gear ratio: 15:1 56c - Motor: Motor not included - Base: Standard base - Stroke adjustment: Manual stroke adjustment - Internal relief valve: 265 psi/size 30 & 40 - Hydraulic oil: Standard Oil	2,356.59	4,713.18
16	2	7951005 Motor: 1/2 HP explosion-proof; 56-C, 230/460 VAC, 3 ph	1,070.87	2,141.74
17	2	CP1_VFD_120VAC_NEMA7 NEMA 7 VFD Based control panel for one pump which includes:  Circuit protection Powerflex 40 series VFD Two position switch, power Three position switch, LOR Potentiometer, speed control  System will have a glass window for viewing VFD speed	10,350.00	20,700.00

\*\*\*\*\* CONTINUED ON PAGE 5 \*\*\*\*\*



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Item	Qty	Part#/Description	Unit Price	Total Price
18	1	FREIGHT ESTIMATED FREIGHT TO SITE	850.00	850.00
<b>METHANOL SKID OPTIONS (NOT INCLUDED IN TOTAL)</b>				
19	1	WHITE PP ENCLOSURE WHITE POLY-PRO ENCLOSURE WITH LEXAN DOOR TO ENCLOSE CHEMICAL FEED SKID FOR OUTDOOR USE		
**\$7347.00**				
20	3	ONSITE SERVICE ONSITE SERVICE FOR START-UP AND TRAINING ON PROMINENT SKIDS	1,400.00	4,200.00
<b>PHOSPHATE &amp; ORP ANALYZERS</b>				
21	1	CA80PH-CAE21A211+AAE1G1N1 E+H LIQUILINE SYSTEM ANALYZER	19,662.54	19,662.54
22	1	CAT820-AAE11A3A411D+POPPR4R5 E&H LIQUILINE SYSTEMS	10,891.11	10,891.11
23	1	CYH112-AB40B50B1 FLEXDIP FLOOR MOUNT WITH CHAIN	588.49	588.49
24	1	CPS12D-7NA21 ORP SENSOR	380.26	380.26
25	1	CYK10-A151 A=APPROVAL: NON-HAZARDOUS AREA 15=CABLE LENGTH: 15M 1=CABLE CONNECTION: WIRE TERMINALS	336.85	336.85
26	1	CPA640-C111 UNIVERSAL ELECTRODE HOLDER APPLICATION: ELECTRODE: PH./REDOX 120MM C=THREAD NPT 3/4",PVDF 1=25MM / 1, USED 1=VITON O-RING 1=W/O	251.11	251.11
27	1	TPAC-4W-1/32X TPAC-4W-1/32X Nema 4X Enclosure-4 Wire MA-15/D/1/SI for 120VAC with 1 SD32X for Loop Powered Instrument Surge Protector	366.00	366.00

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Item	Qty	Part#/Description	Unit Price	Total Price
28	1	TP48-N 4-20 mA SURGE PROTECTION	218.00	218.00
<b>DO ANALYZER - 1 PER BASIN</b>				
29	1	CM442-AAM1A1F211A LIQUILINE ANALYZER WITH RELAYS AND ANALOG OUTPUTS, 1-CHANNEL	1,762.15	1,762.15
30	1	COS61D-AAA1A4+IB OXYMAX SENSOR WITH CLEANING PORTS	2,404.18	2,404.18
31	1	CYA112-17W3/0 FLEXDIP SENSOR HOLDER	252.02	252.02
32	1	71194623 COMPRESSED AIR CLEANING UNIT	2,053.28	2,053.28
33	1	CYH112-1Q46/0 HANDRAIL MOUNT PROTECTION COVERS	966.07	966.07
34	1	TPAC-4W-1/32X TPAC-4W-1/32X Nema 4X Enclosure-4 Wire MA-15/D/1/SI for 120VAC with 1 SD32X for Loop Powered Instrument Surge Protector	366.00	366.00
35	1	TP48-N 4-20 mA SURGE PROTECTION	218.00	218.00
<b>NITRATE ANALYZER</b>				
36	1	CM442-AAM1A1F211A LIQUILINE ANALYZER WITH RELAYS AND ANALOG OUTPUTS, 1-CHANNEL	1,762.15	1,762.15
37	1	CAS51D-11A5/0 VIOMAX SENSOR WITH CLEANING PORTS	10,423.93	10,423.93
38	1	CYA112-18C8/0 FLEXDIP SENSOR HOLDER WITH CHAIN	261.66	261.66
39	1	CYH112-3EK1/0 HANDRAIL MOUNT	884.20	884.20
40	1	TPAC-4W-1/32X TPAC-4W-1/32X	366.00	366.00

\*\*\*\*\* CONTINUED ON PAGE 7 \*\*\*\*\*



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Item	Qty	Part#/Description	Unit Price	Total Price
		Nema 4X Enclosure-4 Wire MA-15/D/1/SI for 120VAC with 1 SD32X for Loop Powered Instrument Surge Protector		
41	1	TP48-N 4-20 mA SURGE PROTECTION	218.00	218.00
42	2	XD21AB-ABAAF1B ONSITE SERVICE FOR START-UP, TRAINING AND EXTENDED WARRANTY	2,000.00	4,000.00
43	1	FREIGHT ESTIMATED FREIGHT TO SITE	1,350.00	1,350.00
44	5	SUBMITTALS SUBMITTALS FOR APPROVAL	165.00	825.00
45	5	MANUALS OPERATION AND MAINTENANCE MANUALS	185.00	925.00

\*\*\*\*\*  
 \*\*\* PRICING FOR EMS INSTALLATION AND SETUP IS NOT \*\*\*  
 \*\*\* INCLUDED IN THIS PROPOSAL \*\*\*  
 \*\*\*\*\*

**Quote Total: 126,390.05**

>> Shipping Sensors in the Cold: All pH and ORP sensors must ship overnight to  
 >> prevent damage caused by prolonged exposure to freezing temperatures.  
 >> These charges will be PP&A to your invoice, unless stated otherwise.

Did you know that our service team can Commission/Start-Up and Troubleshoot all of your instrumentation? We would be happy to provide pricing.  
 \*\*\* PLEASE SEND PO'S AND INQUIRIES TO: FLSALES@TRINOVAINC.COM \*\*\*

By: \_\_\_\_\_  
**CHAD KLOFT for DAVID RAMSEY**