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DIVISION OF ENGINEERING
TOM BALLINGER
DIRECTOR
(850) 413-6910

Public Service Commission

May 14, 2015

VIA ELECTRONIC MAIL

Mr. Martin S. Friedman
Aquarina Utilities, Inc.
766 North Sun Drive, Suite 4030
Lake Mary, FL 32746

STAFF'S SECOND DATA REQUEST

Re: Docket No. 150010 - WS - Application for staff-assisted rate case in Brevard County by Aquarina Utilities, Inc.

Dear Mr. Friedman:

We have reviewed Aquarina Utilities' (Aquinara) response to staff's first data request along with the completed staff audit issued on April 3, 2015. We have some additional questions concerning the operation of Aquarina's water and wastewater plants. Please provide a response to this data request to the Office of Commission Clerk, 2540 Shumard Oak Blvd., Tallahassee, FL 32399-0850, by **May 29, 2015**.

1. A review of the Monthly Operating Reports (MORs) for January, April, May, June, July, August, October and December, 2014, indicate more water was sold than was treated. Please explain how this occurred.
2. Rule 25-30.265, F.A.C., Periodic Meter Tests, requires each utility to inspect a sample of its residential meters in service at least once during a ten-year period. Additionally, Rule 25-30.267, F.A.C., Record of Meter Tests, requires each utility to preserve the original records of all meter tests at least until same meter is performed or until the meter is retired by a later test. (Rules are attached).
 - A. Has Aquarina inspected a sample of its residential water meters at least once during the past 10 years?
 - B. If so, provide copies of your meter test records.
 - C. If not, why not?

Mr. Friedman

Page 2

May 14, 2015

3. A review of the monthly Discharge Monitoring Reports (DMRs) for the wastewater treatment plant indicates 9,759,000 gallons of influent entered the plant during the test year. The DMRs also show 13,978,000 gallons Total Flow through the wastewater plant. Therefore, the amount of wastewater treated was more than what entered the plant. Please explain how this can occur?
4. In Aquarina's SARC application it did not provide the approximate length and size of its water and wastewater mains. Please provide the data. If the data is not available, please explain.
5. It appears that 800 residential lots were intended for the development. How many of the lots are currently connected to the water and wastewater mains? Please provide the number of single family homes and multi-family units being served.
6. What is the local government Fire Flow requirement for your system? *call Brevard Co.*
7. Is the bottom of the ground storage tank for finished water below the centerline of the pumping unit?
8. In the proforma items, \$45,000 is requested for lab space.
 - A. Why is the lab space needed?
 - B. Will the lab space be created in an existing building?
 - C. How is the lab work processed now?
 - D. What were your 2014 annual cost for lab services?
 - E. How will an onsite lab save on costs?
 - F. Will additional personnel be required to operate the lab?
9. Please provide copies of the invoices or 3 price quotes for each of the proforma items requested for the years 2015 and 2016. Also, please cite or provide copies of the regulatory mandates for each proforma item, if applicable.

Should you have any questions, please contact me by phone at (850) 413-6578 or by e-mail at clewis@psc.state.fl.us.

Sincerely,



Clayton Lewis
U. S. Engineering Specialist
Bureau of Reliability and Resource Planning
Division of Engineering

CKL:tj

cc: Office of Commission Clerk (Docket No. 150010-WS)

Rule 25-30.265 Periodic Meter Tests., Florida Administrative Code

Each utility shall inspect and test a representative sample of its meters in service at least once during the intervals set out in this rule.

Size of Meter	Maximum Interval Between Tests
5/8"	10 years
3/4"	8 years
1"	6 years
1 1/2"	4 years
2"	4 years
3"	3 years
4"	2 years
6"	1 year

Rulemaking Authority 350.127(2), 367.121 FS. Law Implemented 367.121(1)(a), 367.122 FS. History—New 9-12-74, Formerly 25-10.93, 25-10.093, Amended 11-10-86.

Rule 25-30.267 Record of Meter Tests. Florida Administrative Code

- (1) Each utility shall preserve the original records of all meter tests at least until same meter is performed or until the meter is retired by a later test.
- (2) These records shall include:
 - (a) Sufficient information to identify the meter;
 - (b) The reason for the test;
 - (c) Date of test and reading of the meter;
 - (d) The computed accuracy before and after the repair; and
 - (e) Any other data taken at the time of the test which would permit the convenient checking of the test results.

Rulemaking Authority 350.127(2), 367.121 FS. Law Implemented 367.121(1)(a), 367.122 FS. History—New 9-12-74, Formerly 25-10.91, 25-10.091, Amended 11-10-86.

Aquarina Utilities, Inc.

P.O. Box 1114
Fellsmere, Florida 32948
(772) 708-8350 (mobile billing)
(772) 708-7946 (mobile emergency)
aquarinautilities@bellsouth.net

29 June 2015

Mr. Clayton Lewis
U.S. Engineering Specialist
Bureau of Reliability and Resource Planning
Division of Engineering
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399

Reference: Staff's Second Data Request
Aquarina Utilities, Inc. SARC, Docket No. 150010-WS

Dear Mr. Lewis,

Please find attached the following response to your "Second Data Request" for the Aquarina Utilities, Inc. SARC, docket no. 150010-WS:

1. A possible explanation for how more water can be sold than is treated include the following:
 - a. The meter measuring the treated water exiting the plant has a 6% margin of error (records 6% or so less than actually flows through it) given its type and manufacture; therefore, it measures only a portion of the water that enters the distribution system.
2. A. Aquarina has owned the utility only since 2011, some four years, and is unaware of what testing might have been done prior to taking ownership. After taking ownership, we noted that many meters in the system did not seem to be recording accurately or had stopped completely. Since that time, some 100 meters of the roughly 425 meters in the system have been replaced. Some 30 meters are newly added to the system. Approximately 10-20 meters have slowed and nearly stopped due to mineral deposition inside the meters. While our meter replacement log needs to be updated; I have attached the log. Please note that the bulk of meter installations occurred during 2013 and early 2014, when Aquarina had

maintenance personnel on staff. Without maintenance staff we are unable to keep up with meter failures and replacements. Given the character of our source water, irrigation meters generally last only about 2-3 years before they slow and need to be replaced. The potable meters might last about five years before sulfur salts slow them significantly. We have been required to replace new meters that seem to have about a 1 in 10 manufacturer failure rate. Most of the remaining meters in the system, particularly the 2 inch and above irrigation meters, need to be replaced. All new installations come with factory calibration certificates and flow is verified at installation by field "bucket" test whenever possible.

B. No testing of residential meters outside of customer inquiries for billing issues has been performed. We choose to simply replace the meters with factory-calibrated meters, as this is less time-consuming, less expensive, and results in a new installation immediately where a new meter would likely be required after testing anyway.

C. We do not test residential meters every ten years because they do not last that long and must be replaced about every five years.

3. Influent is calculated using the time clocks on main lift station pumps. This station collects all wastewater in the system. Total flow also includes the reverse osmosis discharge water, which enters the system after the main lift station, causing the total flow gallonage to be significantly higher than influent flows.
4. The total length and size of the water and wastewater mains in the system are not available. Lines were established, abandoned, connected, and interconnected during construction without record of length. We spoke with the surveyors who produced the "as-builts" for the community as it was constructed, and they mentioned that the entire system of utility lines for the original plan for the Aquarina community was installed and then abandoned under the golf course when they chose to change the development plan. We do not have a complete set of plans for the system, proposed or as-built; neither do we have the manpower to sit with each plan we do have to systematically measure the lines. In short, system mapping is needed.
5. Aquarina Utilities serves 6 mid-rise condominium buildings, 3 are 8-floor, 32 unit each buildings, 2 are 4-floor, approximately 24 unit buildings, and one is about 7 floors with perhaps 28 units. We have 21 sewer only residential customers and a multitude of general service customers. There are approximately 270 residential customers who occupy townhomes, duplexes, and single-family homes. As the major developer remaining in Aquarina seems to have been unable to reach an agreement with the Aquarina Community Services Association regarding amenities and other issues, we have been led to believe that the vast majority of the remaining residential areas may not be developed indefinitely. We have discussed this situation with Commission staff and have requested that the service availability fees and connection fees in the tariff be examined and increased to allow recovery of the customer portion of our construction costs (CIAC) in lieu of this developmental stalemate. Also, we would appreciate consideration of the current condition of the plant, in part due to the inability of previous owners to collect CIAC, and the fact that the service availability fees, calculated for expenses of construction in 1998 or so, have not been adjusted for current costs of maintaining the plant in today's economy. (Please

review the attached Schreiber quote to get some idea of the expenses associated with bringing the plant back to its original condition.)

6. We are uncertain what the local government fire flow requirement might be for our system. We maintain 37 hydrants and a fire protection system water pressure of 70psi. We maintain an absolute minimum of 250,000 gallons of water for fire protection.
7. Yes, the bottom of the ground storage tank for finished water is below the centerline of the high service pumps.
8. Regarding lab space.
 - a. Lab space is needed to develop a process control lab for both the water and wastewater plants. This space is critical in the maintenance of quality water and wastewater service for our customers.
 - b. The lab space will be created in the existing office trailer, providing electrical issues for that trailer can be resolved.
 - c. Only the bare minimum of chlorine levels and pH are checked in the existing "lab space" in the reverse osmosis building. This building is dangerously loud and too hot to maintain optimum lab conditions. Exposure to chlorine damages the instruments.
 - d. Please review the audit associated with this rate case to determine what lab expenses were allowed.
 - e. The onsite lab space is merely for process control and will not be a NELAC certified laboratory. It will not reduce our laboratory expense, but will allow us to fine-tune the treatment process, which is extremely tricky given the seasonal nature of our flows and the temperature differentials between summer and winter.
 - f. No additional personnel will be required to operate the lab. Kevin Burge is an experienced laboratory scientist, and he will perform lab functions or train other employees to properly perform lab duties.
9. Please see the attached quotes for pro-forma items. Also, a log documenting our contacts for pro forma quotes is attached.

Sincerely,



Holly Burge
Account Manager; Aquarina Utilities, Inc.

Meter Replacement Program

Needs New Meter Needs New Box

By Route

Golf Course

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
1207	GC Maint Potable rt corner of maint by gate	5/8 x 3/4	threaded	P	51003963							
1201	GC Maint NP by concrete wash pad in back	2"	flanged?	NP	9501659							
1204	GC Restroom 2 Sandpiper, left side road	5/8 x 3/4	threaded	P	81348110							
1203	GC Restroom 1	5/8 x 3/4	threaded	P	49471551							
1206	Clubhouse NP	2"	flanged	NP	60312434							
1208	7500 S Hwy A1A Clubhouse	2"	threaded	P	1742920							
1205	Snack bar	1"	threaded	P	1753025							
1202	CG Turf	10"?	computer flow meter	NP	computer 2							

ACSA

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
826	ACSA Community Center	2"	threaded	P	31842574							
930	Marina	5/8 x 3/4	threaded	P	56488704	987780	8680959	105	9/4/2013	✓		F
869	SS AQ BLVD NP	3"	flanged	NP	9436558							
865	AQ BLVD NP	2"	flanged	NP	30024768							
868	AQ BLVD NP3	2"	flanged	NP	31849943	7945500	8870305	Qg	10/7/2012			F
858	ACSA COMMON GROUND	2"	flanged	NP	60312432	10150300	8401931	0	11/12/2013			P
867	ACSA AQ BLVD NP2	3"	flanged	NP	31930279							
866	ACSA AQ BLVD NP1	4"	flanged	NP	31935292							
856	ACSA FRONT ENTRANCE	2"	flanged	NP	19426511							
1213	CBC SALES TRAILER	5/8 x 3/4	threaded	P	73033379							
1214	CBC SALES TRL NP	5/8 x 3/4	threaded	NP	8681046							
960	ACSA GUARD HOUSE	5/8 x 3/4	threaded	P	8681004							

1/2 Blue Heron

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
125	350 Aquarina Blvd	5/8 x 3/4	threaded	P	77227596							
128	352 Aquarina Blvd	5/8 x 3/4	threaded	P	2069377							
1237	354 Aquarina Blvd	5/8 x 3/4	threaded	P	1253900							
104	356 Aquarina Blvd	5/8 x 3/4	threaded	P	48431484							
802	1 Aquarina Blvd Blue Heron NP	1"	threaded	NP	48767040							
169	289 Aquarina Blvd Egret Trace HOA NP	2"	threaded	NP	1742907							
1232	358 Aquarina Blvd	5/8 x 3/4	threaded	P	68747352							
106	360 Aquarina Blvd	5/8 x 3/4	threaded	P	2197660							
141	362 Aquarina Blvd	5/8 x 3/4	threaded	P	3 28114	290870	8680971	100g	7/22/2013			F
136	364 Aquarina Blvd	5/8 x 3/4	threaded	P	84010620							
800	0 Blue Heron Blue Heron NP#2	2"	threaded	NP	5142726				4/7/12			
801	ACSA Lakeside NP 100X mult.	2"	threaded	NP	1745271	16157700	8401930	0	8/22/2013			F
121	ACSA BH Pool	1"	threaded	P	1244924							
122	ACSA Lakeside Pool	5/8 x 3/4	threaded	P	1696288							
804	ACSA Lakeside Pool #2	2"	threaded	P	1636499	5626800	8142963	0	1/29/2014			F
170	Egret Trace HOA	2"	threaded	NP	1636494	9761900	8402391	100g	1/28/2014			F
134	366 Aquarina Blvd	5/8 x 3/4	threaded	P	518149		8681169	0	2/23/2013			F

2/2 **Blue Heron**

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
131	368 Aquarina Blvd	5/8 x 3/4	threaded	P	Z328154	655740	8680976	10	7/18/13			
5	370 Aquarina Blvd	5/8 x 3/4	threaded	P	2197659							
130	372 Aquarina Blvd	5/8 x 3/4	threaded	P	84010628	662217	8680975	10	7/19/13			
113	374 Aquarina Blvd	5/8 x 3/4	threaded	P	77226563							
138	376 Aquarina Blvd	5/8 x 3/4	threaded	P	1253896							
117	378 Aquarina Blvd	5/8 x 3/4	threaded	P	1253899	452540	8680974	10g	7/23/2013			
116	380 Aquarina Blvd	5/8 x 3/4	threaded	P	Z328150	401360	8680973	10g	7/24/2013			
803	Blue Heron NP#3	5/8 x 3/4	threaded	NP	1718353	12386600	8401920	0	6/26/2013			
711	ACSA Raquet Club NP	5/8 x 3/4	threaded	NP	6166937							
120	388 Aquarina Blvd	5/8 x 3/4	threaded	P	79600577	216460	9324078	10g	11/20/2013			
119	386 Aquarina Blvd	5/8 x 3/4	threaded	P	2533897							
126	384 Aquarina Blvd	5/8 x 3/4	threaded	P	41440280							
1233	382 Aquarina Blvd	5/8 x 3/4	threaded	P	77227555							

1/3 Sand Piper Cove

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
875	796 Aquarina Blvd.	5/8 x 3/4	threaded	P	64412180							
876	796 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	46641343							
664	802 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	77940395							
663	802 Aquarina Blvd.	5/8 x 3/4	threaded	P	77227544							
1177	808 Aquarina Blvd.	5/8 x 3/4	threaded	P	75987614							
1176	808 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	73033420				5/16/12			
689	814 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	77226649							
669	814 Aquarina Blvd.	5/8 x 3/4	threaded	P	77227515	281160	8680972	1000	7/26/2013			
629	820 Aquarina Blvd.	5/8 x 3/4	threaded	P	75988107							
630	820 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	77226961							
624	826 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	75584403							
623	826 Aquarina Blvd.	5/8 x 3/4	threaded	P	36104262							
622	832 Aquarina Blvd.	5/8 x 3/4	threaded	P	76909158							
621	832 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	76910277							
605	836 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	79600612							
604	836 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600603							
716	846 Aquarina Blvd.	5/8 x 3/4	threaded	P	8681001				11/24/13			
715	846 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	75765721							

2/3 Sand Piper Cove

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
1231	850 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	77226609							
1230	850 Aquarina Blvd.	5/8 x 3/4	threaded	P	76910242							
600	854 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600610							
12	854 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	73033375							
695	858 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	8134806							
694	858 Aquarina Blvd.	5/8 x 3/4	threaded	P	64412181							
1178	860 Aquarina Blvd.	5/8 x 3/4	threaded	P	76910326							
1179	860 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	77226896							
701	864 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	79599665				3/1/13			
700	864 Aquarina Blvd.	5/8 x 3/4	threaded	P	8680945							
8	870 Aquarina Blvd.	5/8 x 3/4	threaded	P	76909295							
9	870 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	75584283							
719	874 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	79600623							
717	874 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600619							
648	880 Aquarina Blvd.	5/8 x 3/4	threaded	P	75988078							
649	880 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	76910205							
617	884 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	76910276							
616	884 Aquarina Blvd.	5/8 x 3/4	threaded	P	75987555							

3/3 Sand Piper Cove

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
1181	890 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	75584420							
1180	890 Aquarina Blvd.	5/8 x 3/4	threaded	P	60939411							
1222	894 Aquarina Blvd.	5/8 x 3/4	threaded	P	76909149							
1223	894 Aquarina Blvd. NP	5/8 x 3/4	threaded	NP	76909139							

1/2 Cranes Point

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
860	Crane's Point NP #1	2"	flanged	NP	59630730							
16	879 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600548							
1173	877 Aquarina Blvd.	5/8 x 3/4	threaded	P	77226561							
1221	875 Aquarina Blvd.	5/8 x 3/4	threaded	P	7900573							
1143	873 Aquarina Blvd.	5/8 x 3/4	threaded	P	77227043							
864	871 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600554							
870	869 Aquarina Blvd.	5/8 x 3/4	threaded	P	8719447				1/11/13			
712	867 Aquarina Blvd.	5/8 x 3/4	threaded	P	46641822							
1144	865 Aquarina Blvd.	5/8 x 3/4	threaded	P	74751490							
1155	863 Aquarina Blvd.	5/8 x 3/4	threaded	P	77226612							
871	861 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600609							

2/2 **Cranes Point**

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
647	859 Aquarina Blvd.	5/8 x 3/4	threaded	P	75584402							
661	857 Aquarina Blvd.	5/8 x 3/4	threaded	P	77226607							
713	855 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600566							
720	853 Aquarina Blvd.	5/8 x 3/4	threaded	P	46641889							
889	851 Aquarina Blvd.	5/8 x 3/4	threaded	P	81348028							
890	849 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600570							
879	847 Aquarina Blvd.	5/8 x 3/4	threaded	P	39929258							
878	845 Aquarina Blvd.	5/8 x 3/4	threaded	P	46641831							
873	839 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600521							
726	837 Aquarina Blvd.	5/8 x 3/4	threaded	P	46641911							
714	Crane's Point NP#2	2"	flanged	NP	1076896							
874	835 Aquarina Blvd.	5/8 x 3/4	threaded	P	41731972							
872	833 Aquarina Blvd.	5/8 x 3/4	threaded	P	41248499							

Les Villas

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
819	LES VILLAS NP#1	2"	threaded	NP	8142725							
204	901 Aquarina Blvd.	5/8 x 3/4	threaded	P	48431487							
217	903 Aquarina Blvd.	5/8 x 3/4	threaded	P	1474427							
1159	905 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600526	298960	9324070	40g	5/2/2014	NO		Ron
1188	907 Aquarina Blvd.	5/8 x 3/4	threaded	P	50103926							
222	909 Aquarina Blvd.	5/8 x 3/4	threaded	P	50103928							
220	911 Aquarina Blvd.	5/8 x 3/4	threaded	P	508841		8081171	10	5/7/2013			
226	915 Aquarina Blvd.	5/8 x 3/4	threaded	P	1842688							
1191	917 Aquarina Blvd.	5/8 x 3/4	threaded	P	1921274							
1186	919 Aquarina Blvd.	5/8 x 3/4	threaded	P	1842685							
213	921 Aquarina Blvd.	5/8 x 3/4	threaded	P	49471545							
219	923 Aquarina Blvd.	5/8 x 3/4	threaded	P	49471544							
218	925 Aquarina Blvd.	5/8 x 3/4	threaded	P	49471547							
1195	927 Aquarina Blvd.	5/8 x 3/4	threaded	P	31474425							
225	929 Aquarina Blvd.	5/8 x 3/4	threaded	P	41440885							
223	931 Aquarina Blvd.	5/8 x 3/4	threaded	P	4144029							
820	LES VILLAS NP#2	2"	threaded	NP	1802924	9873600	8142959	0	12/24/2013			

1/2 Egret Trace

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
177	256 Aquarina Blvd.	5/8 x 3/4	threaded	P	1901903							
152	258 Aquarina Blvd.	5/8 x 3/4	threaded	P	328129							
154	262 Aquarina Blvd.	5/8 x 3/4	threaded	P	328109	491150	0680956	10	7/30/2013			
1161	260 Aquarina Blvd.	5/8 x 3/4	threaded	P	43241954							
175	266 Aquarina Blvd.	5/8 x 3/4	threaded	P	545486	587230	0680957	3048	7/31/2013			
17	264 Aquarina Blvd.	5/8 x 3/4	threaded	P	77227569							
171	Egret Trace NP	2"	threaded	NP	8142727				4/23/12			
1189	268 Aquarina Blvd.	5/8 x 3/4	threaded	P	2110107	649960	8680977	2008	8/9/2013			
183	270 Aquarina Blvd.	5/8 x 3/4	threaded	P	75988117	260270	8680958	208	8/8/2013			
1234	272 Aquarina Blvd.	5/8 x 3/4	threaded	P	81348086				11/21/12			
180	274 Aquarina Blvd.	5/8 x 3/4	threaded	P	84101646							
182	276 Aquarina Blvd.	5/8 x 3/4	threaded	P	518150	279710	8680962	20	9/10/2013			
162	278 Aquarina Blvd.	5/8 x 3/4	threaded	P	2110704	585200	8680963	10	9/11/2013			
163	280 Aquarina Blvd.	5/8 x 3/4	threaded	P	328113	263040	8681174	0	6/19/2013			
1240	282 Aquarina Blvd.	5/8 x 3/4	threaded	P	2518161	685120	9324275	0	6/19/2013			
184	286 Aquarina Blvd.	5/8 x 3/4	threaded	P	1901905							
165	284 Aquarina Blvd.	5/8 x 3/4	threaded	P	59248224							
179	288 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600555							

2/2 Egret Trace

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
168	290 Aquarina Blvd.	5/8 x 3/4	threaded	P	328134							

1/2 Spoonbill

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
399	105 Aquarina Blvd.	5/8 x 3/4	threaded	P	56488706	626210	8680980	10g	8/20/2013			
1217	107 Aquarina Blvd.	5/8 x 3/4	threaded	P	56488703	312930	8680979	10g	8/19/2013			
15	109 Aquarina Blvd.	5/8 x 3/4	threaded	P	56488702	Set. 770320	8680978	10g	8/19/2013			
389	111 Aquarina Blvd.	5/8 x 3/4	threaded	P	56488701							
385	113 Aquarina Blvd.	5/8 x 3/4	threaded	P	56488700							
412	115 Aquarina Blvd.	5/8 x 3/4	threaded	P	49471554							
390	117 Aquarina Blvd.	5/8 x 3/4	threaded	P	8681023				3/14/13			
373	119 Aquarina Blvd.	5/8 x 3/4	threaded	P	8681022				3/13/13			
374	121 Aquarina Blvd.	5/8 x 3/4	threaded	P	8681021				3/11/13			
375	123 Aquarina Blvd.	5/8 x 3/4	threaded	P	8681020				3/7/13			
351	125 Aquarina Blvd.	5/8 x 3/4	threaded	P	8681019				3/7/13			
1147	127 Aquarina Blvd.	5/8 x 3/4	threaded	P	8680946				3/4/13			
143	129 Aquarina Blvd.	5/8 x 3/4	threaded	P	8680944				3/4/13			
451	131 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600550							

2/2 Spoonbill

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
398	135 Aquarina Blvd.	5/8 x 3/4	threaded	P	60939410							
1235	137 Aquarina Blvd.	5/8 x 3/4	threaded	P	73033374				6/11/12			
403	139 Aquarina Blvd.	5/8 x 3/4	threaded	P	8681167				6/11/12			
144	141 Aquarina Blvd.	5/8 x 3/4	threaded	P	1921273							
355	143 Aquarina Blvd.	5/8 x 3/4	threaded	P	2067011							
395	145 Aquarina Blvd.	5/8 x 3/4	threaded	P	1902046	221510	9324290	10	6/27/2013			
1145	147 Aquarina Blvd.	5/8 x 3/4	threaded	P	2067012	443170	8680954	10	7/2/2013			
361	149 Aquarina Blvd.	5/8 x 3/4	threaded	P	79600549	121310	8680981	10	8/20/2013			
10	151 Aquarina Blvd.	5/8 x 3/4	threaded	P	50103929	10803	8680982	10	8/21/2013			
364	153 Aquarina Blvd.	5/8 x 3/4	threaded	P	2545525	965890	8680953	10	7/3/2013			
365	155 Aquarina Blvd.	5/8 x 3/4	threaded	P	49471553	322100	8680955	10	7/4/2013			
392	157 Aquarina Blvd.	5/8 x 3/4	threaded	P	8719443				1/18/13			
367	159 Aquarina Blvd.	5/8 x 3/4	threaded	P	8719445				1/18/13			
404	161 Aquarina Blvd.	5/8 x 3/4	threaded	P	8719442				1/16/13			
1225	163 Aquarina Blvd.	5/8 x 3/4	threaded	P	8719444				1/16/13			
372	165 Aquarina Blvd.	5/8 x 3/4	threaded	P	8719446				1/16/13			
371	SPOONBILL HOA NP	2"	threaded	NP	1802922	60298400	8142948	0	12/19/13			

1/3 Osprey Villas

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
278	200 Osprey Villas Crt	5/8 x 3/4	threaded	P	56488705	301990	8680964	10g	9/16/2013			F
238	202 Osprey Villas Crt	5/8 x 3/4	threaded	P	56488699	319550	9324094	10g	9/24/2013			
275	204 Osprey Villas Crt	5/8 x 3/4	threaded	P	56488707	335010	9324096	10g	9/17/2013			E
822	Osprey Villas WEST NP	2"	threaded	NP	1422786	55014400	8401929	0	10/21/2013			FW
266	206 Osprey Villas Crt	5/8 x 3/4	threaded	P	56488708	410470	9324095	20g	9/19/2013			P
237	208 Osprey Villas Crt	5/8 x 3/4	threaded	P	56488728	387700	9324093	10g	9/23/2013			F
274	210 Osprey Villas Crt	5/8 x 3/4	threaded	P	56488722	253440	9324092	40g	9/25/2013			
270	212 Osprey Villas Crt	5/8 x 3/4	threaded	P	77226564	128890	9324021	70g	1/9/2014			R
1153	214 Osprey Villas Crt	5/8 x 3/4	threaded	P	328146	697550	9324090	10g	9/26/2013			R
258	216 Osprey Villas Crt	5/8 x 3/4	threaded	P	2110688							
257	218 Osprey Villas Crt	5/8 x 3/4	threaded	P	1901884							
259	220 Osprey Villas Crt	5/8 x 3/4	threaded	P	2110685							
253	215 Osprey Villas Crt	5/8 x 3/4	threaded	P	2110684							
230	213 Osprey Villas Crt	5/8 x 3/4	threaded	P	76910805							
239	211 Osprey Villas Crt	5/8 x 3/4	threaded	P	5181148	363030	9324085	80g	10/9/2013			F
242	209 Osprey Villas Crt	5/8 x 3/4	threaded	P	328130							
252	207 Osprey Villas Crt	5/8 x 3/4	threaded	P	1842686							
280	205 Osprey Villas Crt	5/8 x 3/4	threaded	P	1901883							

2/3 Osprey Villas

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
14	203 Osprey Villas Crt	5/8 x 3/4	threaded	P	545480							
268	201 Osprey Villas Crt	5/8 x 3/4	threaded	P	328125							
300	172 Whaler Drive	5/8 x 3/4	threaded	P	59248219							
297	170 Whaler Drive	5/8 x 3/4	threaded	P	59248222							
295	Osprey East NP	1"	threaded	NP	58854635	997260	8141157	50	8/21/2013			
243	162 Whaler Drive	5/8 x 3/4	threaded	P	58385885							
1140	160 Whaler Drive	5/8 x 3/4	threaded	P	58902882							
1182	152 Whaler Drive	5/8 x 3/4	threaded	P	58385879							
1224	150 Whaler Drive	5/8 x 3/4	threaded	P	58385879							
1166	142 Whaler Drive	5/8 x 3/4	threaded	P	58885884							
1211	140 Whaler Drive	5/8 x 3/4	threaded	P	58902886							
246	132 Whaler Drive	5/8 x 3/4	threaded	P	59612851							
245	130 Whaler Drive	5/8 x 3/4	threaded	P	58902888							
260	122 Whaler Drive	5/8 x 3/4	threaded	P	64412187							
1168	120 Whaler Drive	5/8 x 3/4	threaded	P	64412186							
821	Marlin NP	2"	threaded	NP	11858738							
900	Marlin P	2"	flanged	P	49414307							
808	Hammocks P	2"	threaded	P	1802918							

3/3 **Osprey Villas**

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
955	Hammocks NP	2"	threaded	NP	1405522							
1171	ACSA OLD ADMIN P	1"	threaded	P	1281525							
718	ACSA OLD ADMIN NP	2"	threaded	NP	1742935							
814	ST ANDREWS VILLAGE NP		threaded	NP	951476							

1/4 River Oaks

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
841	255 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	59612858							
500	255 Hammock Shore Dr.	5/8 x 3/4	threaded	P	59612840							
511	265 Hammock Shore Dr.	5/8 x 3/4	threaded	P	58902888							
855	265 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	60698563							
319	305 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	75584460							
318	305 Hammock Shore Dr.	5/8 x 3/4	threaded	P	77226936							
505	315 Hammock Shore Dr.	5/8 x 3/4	threaded	P	60698553							
810	315 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	60698555							
345	325 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	59248220							
344	325 Hammock Shore Dr.	5/8 x 3/4	threaded	P	59248223							
333	335 Hammock Shore Dr.	5/8 x 3/4	threaded	P	545487	489140	9324073	10g	10/15/2013			
834	335 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	76910180							
308	345 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	48432481	1886910	9324083	10g	12/3/2013			
307	345 Hammock Shore Dr.	5/8 x 3/4	threaded	P	328145							
1148	355 Hammock Shore Dr.	5/8 x 3/4	threaded	P	518156							
1149	355 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	8681003				1/24/13			
836	365 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	56488720	6551790	9324082	10g	12/4/2013			
335	365 Hammock Shore Dr.	5/8 x 3/4	threaded	P	56488720	480190	9324081	20g	12/5/2013			

2/4 River Oaks

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
320	375 Hammock Shore Dr.	5/8 x 3/4	threaded	P	2110687							
324	375 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	1281517	2640880	9324086	10	1/6/2014			F
329	385 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	76921653							
328	385 Hammock Shore Dr.	5/8 x 3/4	threaded	P	518155	793990	9324019	10g	1/15/2014			F
303	395 Hammock Shore Dr.	5/8 x 3/4	threaded	P	79600553							
304	395 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	79600569							
352	405 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	518157	9539790	9324087	20g	1/6/2014			F
354	405 Hammock Shore Dr.	5/8 x 3/4	threaded	P	518188	680770	9324091	20g	1/6/2014			F
838	RIVER OAKS HOA NP	5/8 x 3/4	threaded	P	Z545528	1355680	8681028	0	5/25/13	N		Reg
846	420 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	60698556	3164680	8681027	0	5/25/13	N		Reg
506	420 Hammock Shore Dr.	5/8 x 3/4	threaded	P	59612855							
1228	390 Hammock Shore Dr.	5/8 x 3/4	threaded	P	2545481	487210	9324019	10g	1/9/2014			IZ
1229	390 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	2545478	6068490	9324613	10g	1/8/2014			F
847	380 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	60698554	3510530	9324024	10g	1/7/2014			F
507	380 Hammock Shore Dr.	5/8 x 3/4	threaded	P	60698558							
840	360 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	59612857							
350	360 Hammock Shore Dr.	5/8 x 3/4	threaded	P	59612856							
301	350 Hammock Shore Dr.	5/8 x 3/4	threaded	P	2067008	487170	9324020	10g	1/14/2014			F

3/4 River Oaks

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
302	350 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	2069381							
315	340 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	Z 518162	5708450	9324076	10g	11/18/2013			F
316	340 Hammock Shore Dr.	5/8 x 3/4	threaded	P	Z 518187	328540	9324027	30g	11/19/2013			F
309	330 Hammock Shore Dr.	5/8 x 3/4	threaded	P	8681048				6/20/12			
310	330 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	67249456							
327	320 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	8681045				6/20/12			
326	320 Hammock Shore Dr.	5/8 x 3/4	threaded	P	518186	1043660	9324069	10g	2/19/2014			F
1156	310 Hammock Shore Dr.	5/8 x 3/4	threaded	P	1696285	793600	9324088	20g	11/1/2014			F
1157	310 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	46641384	1568620	9324089	10g	12/31/2013			F
824	300 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	Z 2197662	4203920	9324074	10g	10/16/2013			F
317	300 Hammock Shore Dr.	5/8 x 3/4	threaded	P	2197661							
330	290 Hammock Shore Dr.	5/8 x 3/4	threaded	P	8681047				6/15/12			
832	290 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	Z 545485	5210550	9324075	10g	10/14/2013			F
343	280 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	59248218							
342	280 Hammock Shore Dr.	5/8 x 3/4	threaded	P	59248211							
1197	270 Hammock Shore Dr.	5/8 x 3/4	threaded	P	2197663							
1198	270 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	2197658							
848	260 Hammock Shore Dr. NP	5/8 x 3/4	threaded	NP	60698562							

1/3 St. Andrew's Village

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
467	St. Andrew's Beach Shower	5/8 x 3/4	threaded	P	81348051							
1219	7725 S Hwy A1A	5/8 x 3/4	threaded	P	79599061							
1220	7725 S Hwy A1A NP	5/8 x 3/4	threaded	NP	8681006				3/2013			
417	100 Caledonia Drive	5/8 x 3/4	threaded	P	1429727							
1150	102 Caledonia Drive	5/8 x 3/4	threaded	P	1429728							
449	104 Caledonia Drive	5/8 x 3/4	threaded	P	1429734							
448	106 Caledonia Drive	5/8 x 3/4	threaded	P	1429736							
463	114 Caledonia Drive	5/8 x 3/4	threaded	P	2110703							
1138	116 Caledonia Drive	5/8 x 3/4	threaded	P	2110706							
444	118 Caledonia Drive	5/8 x 3/4	threaded	P	1527610							
458	120 Caledonia Drive	5/8 x 3/4	threaded	P	1527608							
462	124 Caledonia Drive	5/8 x 3/4	threaded	P	50103962							
441	122 Caledonia Drive	5/8 x 3/4	threaded	P	50103964							
470	126 Caledonia Drive	5/8 x 3/4	threaded	P	48431476							
428	128 Caledonia Drive	5/8 x 3/4	threaded	P	48431477							
426	134 Caledonia Drive	5/8 x 3/4	threaded	P	1474428							
427	132 Caledonia Drive	5/8 x 3/4	threaded	P	77227567							
446	151 Caledonia Drive Apt 208	5/8 x 3/4	threaded	P	67786607							

2/3 **St. Andrew's Village**

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
415	151 Caledonia Drive Apt 108	5/8 x 3/4	threaded	P	1429738							
1167	151 Caledonia Drive Apt 107	5/8 x 3/4	threaded	P	1429049							
1209	151 Caledonia Drive Apt 207	5/8 x 3/4	threaded	P	1429731							
442	151 Caledonia Drive Apt 206	5/8 x 3/4	threaded	P	1429047							
1194	151 Caledonia Drive Apt 106	5/8 x 3/4	threaded	P	68747353							
411	151 Caledonia Drive Apt 105	5/8 x 3/4	threaded	P	1281518							
437	151 Caledonia Drive Apt 205	5/8 x 3/4	threaded	P	1429729							
436	149 Caledonia Drive Apt 204	5/8 x 3/4	threaded	P	1429730							
429	149 Caledonia Drive Apt 104	5/8 x 3/4	threaded	P	1429732							
409	149 Caledonia Drive Apt 103	5/8 x 3/4	threaded	P	1429050							
469	149 Caledonia Drive Apt 203	5/8 x 3/4	threaded	P	1429045							
433	149 Caledonia Drive Apt 202	5/8 x 3/4	threaded	P	1429048							
408	149 Caledonia Drive Apt 102	5/8 x 3/4	threaded	P	1429046							
406	149 Caledonia Drive Apt 101	5/8 x 3/4	threaded	P	1429039							
431	149 Caledonia Drive Apt 201	5/8 x 3/4	threaded	P	1429040							
457	147 Caledonia Drive	5/8 x 3/4	threaded	P	49402516							
456	131 River Path	5/8 x 3/4	threaded	P	328148							
461	143 Caledonia Drive	5/8 x 3/4	threaded	P	49471552							

2/3 St. Andrew's Village

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
466	164 Bayshore Drive	5/8 x 3/4	threaded	P	60939408							
424	141 Caledonia Drive	5/8 x 3/4	threaded	P	81021005							
1192	139 Caledonia Drive	5/8 x 3/4	threaded	P	48431479							
421	137 Caledonia Drive	5/8 x 3/4	threaded	P	79600556							
416	129 Caledonia Drive	5/8 x 3/4	threaded	P	1474423							
405	127 Caledonia Drive	5/8 x 3/4	threaded	P	1429041							
7	125 Caledonia Drive	5/8 x 3/4	threaded	P	48431483							
464	123 Caledonia Drive	5/8 x 3/4	threaded	P	48431482							
465	119 Caledonia Drive	5/8 x 3/4	threaded	P	1474426	369230	9324079	20	12/23/13			
455	117 Caledonia Drive	5/8 x 3/4	threaded	P	81438060							
402	113 Caledonia Drive	5/8 x 3/4	threaded	P	1429042							
450	109 Caledonia Drive	5/8 x 3/4	threaded	P	1429733							
401	107 Caledonia Drive	5/8 x 3/4	threaded	P	1429735							
459	105 Caledonia Drive	5/8 x 3/4	threaded	P	1281521							
418	103 Caledonia Drive	5/8 x 3/4	threaded	P	1281520	341500	8719528	10	6/25/13			

Sea Hawk

Acct. No.	Service Address Location	SIZE	TYPE	P or NP	OLD Meter Number	OLD Final Read	NEW Meter Number	Install Read	Date Meter Replaced	Box Replaced?	Date Box Replaced	Installer Initials
582	7701 S Hwy A1A	5/8 x 3/4	threaded	P	59612835							
583	7701 S Hwy A1A NP	5/8 x 3/4	threaded	NP	60698557							
556	7665 S Hwy A1A	5/8 x 3/4	threaded	P	68747357							
566	7655 S Hwy A1A	5/8 x 3/4	threaded	P	95612854							
1199	7645 S Hwy A1A	5/8 x 3/4	threaded	P	58902892							
1215	7635 S Hwy A1A	5/8 x 3/4	threaded	P	56488723							
1193	7625 S Hwy A1A	5/8 x 3/4	threaded	P	58902883							
568	7615 S Hwy A1A	5/8 x 3/4	threaded	P	28902893							
567	7605 S Hwy A1A	5/8 x 3/4	threaded	P	59612853							
550	SEA HAWK HOA NP	2"	threaded	NP	56502345							
1	7595 S Hwy A1A	5/8 x 3/4	threaded	P	59612837							
565	7585 S Hwy A1A	5/8 x 3/4	threaded	P	56488719							
559	7575 S Hwy A1A	5/8 x 3/4	threaded	P	58902889							
992	7525 S Hwy A1A NP	5/8 x 3/4	threaded	NP	76908635							
991	7525 S Hwy A1A	1"	threaded	P	57752605							
603	ACSA Crossover	5/8 x 3/4	threaded	P	328133							

7/1/2015 Catwalks & Sand Filters

Apple Industrial Supply

Leslie (772) 466-3800

applewelding@yahoo.com

email name & specs.

tentative appt. Monday, 7/6/2015

Turner Industrial Supply

Larry R Gary Rhodes

Jan from Turner recommended

cell 772-620-7563

Dale Gilmore cell 772-201-7950

-Wayne Ashton Mnt., Inc. providing
quote

Kevin met w/ Apple 1pm 7/6/2015

they said they'd get him a quote

by 7/9/2015 -measured all

Catwalks & coverings (Leslie)

As of 7/10/2015 3:47pm

no quote received

WAYNE ASHTON MAINTENANCE , INC
364 CYCLONE DRIVE
FT PIERCE , FL 34945
CELL: 772-370-4901
FAX: 772-466-9415



PROPOSAL

Date: 7/1/2015

Bill to: Aquarina Utilities, Inc.
Address: 10475 130th AVE, Fellesmere, FL 32948
Phone: 772-708-8350

Requested by: Kevin Burge

Job name: Aquarina - Melbourne

We hereby submit specifications and estimates for: Cat walk

To install 10 (ten) 100 ft of catwalks, they are 24" wide plus price of labor	\$ 4,500.00
Price of bar screen for catwalks	\$ 2,248.00
460 ft of angle iron 1/4" thick	\$ 683.00
to weld angle iron brackets to catwalks at machine shop	\$ 2,000.00

For the amount of: \$ 9,431.00

Authorized signature: _____

Date: _____

Air Compressors for Sand Filters

7/1/2015 Larry {Closing up shop!
Retiring this year
Electromechanical Services, Inc.
emsi@cfl.cr.com
get serial #s for unit
(321) 639-0500

Wayne Ashton Mat.

Electro Mechanical Services Inc.

1375 Clearlake Road

Cocoa , Florida 32922

321-639-0500 , Fax 321-632-3410

Email: emsi@cfl.rr.com

Aquarina Utilities Inc.

July 9, 2015

Holly,

We can furnish 2 Quincy Model 216L bare compressors for \$2648.00 each . Freight is estimated at \$150.00. For a total of \$5,446.00 plus tax if appreciable.

Thanks

Larry Kerwood

WAYNE ASHTON MAINTENANCE , INC

364 CYCLONE DRIVE

FT PIERCE , FL 34945

CELL: 772-370-4901

FAX: 772-466-9415



PROPOSAL

Date: 7/1/2015

Bill to: Aquarina Utilities, Inc.
Address: 10475 130th AVE, Fellesmere, FL 32948
Phone: 772-708-8350

Requested by: Kevin Burge

Job name: Aquarina - Melbourne

We hereby submit specifications and estimates for:

2 (two) 20hp high volume piston type compressors @ \$5000.00 each.	\$ 10,000.00
metal building cover	\$ 1,296.00

For the amount of: \$ 11,296.00

Authorized signature: _____

Date: _____

Fencing

7/1/2015

Professional Grade Fence, Inc.
www.professionalgrade fence.com
613 Belvedere Rd NW
Palm Bay, FL
(321) 749-9884

Mon 7/6 12pm

American Fence Co
www.americanfenceofbrevard.com
1733 Bunche St. declined to give a
Melbourne, FL quote because they are
(321) 259-3811 too busy

No quote
by 7/10/2015

Viking Fence & Deck
www.vikingfenceanddeck.com
4300 N US1 7/1/2015 2:39pm - left message
Rockledge, FL
(321) 639-2373

✓
Quote
received

Superior Fence & Rail first avail. meeting 7/9 @ 9am
www.florida fence.com emailed survey w/ layout
1730 Baldwin St. of fence.
Rockledge, FL
(321) 636-2829
stephane@superiorfenceandrail.com

Briel & Assoc. Land Surveyors, Inc.
1790 Hwy A1A, Suite 208
Satellite Beach, FL 32937 2:53pm
(321) 773-7775 7/1/2013 called to
schedule survey to
set stakes for fence

alex@eastcoastfencefl.com

3pm 7/2/2015
Thurs.

East Coast Fence & Guardrail

www.eastcoastfencefl.com took info.

651 Pam Lem St.

emailed survey - said

~~Roadside~~ ^{CA Corp} FL - 31666
(321) ~~656-2829~~

they could do quote by 8th -
will call us back next week

email: eastcoastfence@bellsouth.net

Alex Cordonoff 321 990 ~~6360~~ (7/2/2015)

Palm Bay Fence Co.

called, left message

www.palmbayfence.com

2857 Palm Bay Rd NE

Palm Bay, FL

(321) 724-1021

No
quote
received by
7/10/2015

7/2/2015

Briel Assoc

2 quotes archived ? CAD

brielassociates@cf1.rr.com

As of 7/10/2015 3:49pm no quote
received

Fencing cont'd

No quote
received
by 7/10/2015

Met w/ East Coast Fence 3pm, 7/2/2015
at plant - rep measured &
said he'd get me a quote by
7/9/2015

✓
quote
received

Met w/ Professional Grade Fence
12:30pm 7/6/2015 Rep
measured & said he'd get me
a quote by 7/9/2015

No quote
received
by 7/10/2015

Met w/ Viking Fence 7/8/2015
rep 1 1/2 hours late scheduled
12pm he showed at 1:30pm
he measured & said he'd get
me a quote by 7/9/2015

~~Met w/~~ Kevin drove to plant to
meet Superior Fence rep - left at
8:15am to meet 9am appointment
rep. emailed at 8:37am to
say he wasn't coming and
would provide a quote by 7/9/2015

Professional Grade Fence, INC

613 Belvedere Rd NW * Palm Bay, FL 32907

PH: 321-749-9884 * Fax: 321-327-4440

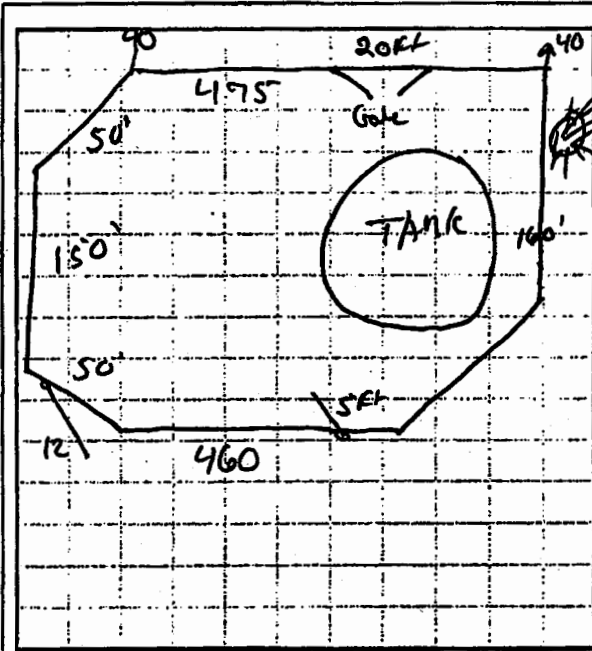
www.professionalgradefence.com

"Our Fences Make Good Neighbors"

Licensed & Insured

CUSTOMER	Holly Buroge / AQUINA Utilities		DATE	7-7-15
ADDRESS	235 - AQUINA Blvd	PHONE	772 708-8350	
CITY, STATE, ZIP	Melbame Beach FL			

WOOD		CHAINLINK		ALUM-PVC	
Footage	Pickets	Footage 1450	Top Rail 2 inch	Footage	
Height	Top	Height 6ft	Line Post 2 inch	Height	
Type	Posts	Gauge 9	Term Post 2 1/2 Sch 40	Color	
Style	Gates	Ten-Wire YES	Type Galvanized	Style	
Concrete	Runners	Concrete AU	Concrete	Concrete	



DESCRIPTION	
Install 1450 ft of 6ft Commercial Grade 9 Gauge Galvanized	
20ft Gate	
12ft Gate	
5ft Gate.	
All Brush & Trees Blocking fence line must be cut back. Before work is started	
TOTAL	23,960.00
DEPOSIT	11,980.00
BALANCE DUE	11,980.00

TERMS AND CONDITIONS: YOU AS THE PROPERTY OWNER ARE RESPONSIBLE FOR CLEARING FENCE LINES, LOCATING WATER LINES, AND ANY OTHER UNDERGROUND OBJECTS. PURCHASER ALSO AGREES THAT PROFESSIONAL GRADE FENCE, INC WILL NOT BE HELD RESPONSIBLE FOR DAMAGE TO UNDERGROUND UTILITIES. TO INCLUDE: SRINKLER SYSTEMS, POOL EQUIPMENT, AND AC UNITS. IF A SURVEY IS NOT AVAILABLE AT THE TIME OF ESTIMATE PRICE MAY BE ADJUSTED PLUS OR MINUS TO THE CORRECT FOOTAGE. ALL MATERIALS REMAIN IN THE PROPERTY OF PROFESSIONAL GRADE FENCE, INC UNTIL CONTRACT IS PAID IN FULL. RIGHTS OF ACCESS AND REMOVAL HEREBY GRANTED IN THE EVENT OF NON-PAYMENT AS AGREED. IF LEGAL ACTION IS NECESSARY TO COLLECT CUSTOMER AGREES TO PAY ALL COSTS PLUS INTEREST AND RESPONSIBLE ATTORNEY'S FEES. *[Signature]*

PROPERTY OWNER ACCEPTANCE OF PROPOSAL

The above price, specifications and conditions are hereby accepted. You are authorized to complete work as shown on contract. Payment will be made as outlined above.

ACCEPTED *[Signature]* DATE *[Signature]* SALES MANAGER *[Signature]* DATE 7/2/15

Superior Fence & Rail of Brevard, Inc.

1730 Baldwin St
Rockledge, FL 32955
(321)636-2829
stephanie@superiorfenceandrail.com
http://www.superiorfenceandrail.com



ESTIMATE

ADDRESS

Aquarina Utilities, Inc.
235 Aquarina Blvd.
Melbourne Beach, FL 32951

ESTIMATE # 1200
DATE 07/10/2015
EXPIRATION DATE 08/10/2015

SALES REP

Todd

DATE	ACTIVITY	QTY	RATE	AMOUNT
07/10/2015	Fence Installation:Chain Link Installation of approximately 1200' of 6' tall Heavy Duty Galvanized Chain Link. 9ga Fabric, Schedule 40 posts. 2-1/2 Term. 2" lines, 1-5/8 top rail. Installation of One - 18' wide roll gate.	1	23,923.00	23,923.00
07/10/2015	Fence Installation:Chain Link Optional: Add 3 strands of Barbed wire.	1	1,562.00	1,562.00
07/10/2015	Fence Installation:Chain Link Optional: 4' wide Pedestrian gate	1	250.00	250.00
07/10/2015	Fence Installation:Chain Link Optional: Upgrade 18' roll gate to 18' cantilever gate	1	750.00	750.00

Estimate is good for 30 days.

TOTAL

\$26,485.00

Accepted By

Accepted Date

Wiring for plant

Watertronics Roger Gibson

Sanders Electric \$110,000[~]

Sanders provided ^{texted} emailed quote for \$110,000 to rework wiring in R/O building, install new step-down transformer, separate wiring for sewer plant from blower operational wiring, etc.

Contacted Watertronics / Roger Gibson for quote back in June - his man came out to assess needs and promised quote by 7/9/2015

no quote received by Watertronics
by 7/10/2015 3:51pm

Generator

Service Contract

ACF Standby services - original vendor
and service of system - proposed
service contract attached.



A•F, Inc.
AIR CENTERS OF FLORIDA/ACF STANDBY SYSTEMS

November 19, 2013

Aquarina
Attn: Holly
235 Aquarina Blvd
Melbourne Beach, FL 32951

Reference: Emergency Generator Planned Maintenance Agreement

Dear Holly,

Enclosed is a Planned Maintenance Agreement customized for your Emergency Generator/s. We understand that downtime on your equipment can be critical. We also know that effective planned maintenance, inspection, and testing will help to ensure its' proper operation when you need it most.

When your equipment is regularly serviced and inspected by our experienced technicians, we are often able to identify and repair problems in the early stages. This can reduce your costs and maximize your equipments' availability. Should your unit be out of service for any reason, our Service Department is on call 24 hours a day, 7 days a week and can be reached at **1-800-282-5359**. We are staffed by highly qualified personnel with years of experience. We are also complemented by a full Parts Department.

Please review the enclosed Planned Maintenance Agreement and Enclosures. If it meets your approval please sign and return one copy. The duplicate copy is for your records.

Please do not hesitate to call us if you would like more information or have any questions.

We would like to thank you for the opportunity to share this Agreement and we look forward to hearing back from you promptly.

Sincerely,

Jason S. Hill
Service Consultant
ACF Standby Systems
Cell: 407.637.9002
j.hill@acfpower.com

ENCLOSURES: Planned Maintenance Agreement, Exhibit "A" Scope of Work

Exhibit "A"
GENERATOR SERVICE INSPECTION
SERVICES TO BE PERFORMED:

Minor Inspection: Services includes items 1 through 26

Major Inspection: Service includes items 1 through 32

1. Visually inspect site equipment for leaks, defects and hazardous conditions.
2. Check engine oil and add if required.
3. Check coolant system and adjust the antifreeze/water mixture as needed.
4. Pressure test cooling system.
5. Check battery electrolyte levels and specific gravity.
6. Check and clean battery terminals and cables. Ensure terminal felt washers are installed.
7. Check and/or lubricate governor linkages as needed.
8. Visually inspect exhaust system for leaks and deterioration. Check and drain condensation trap if applicable.
9. Check and adjust all belts.
10. Check all hose clamps. Hoses that are deteriorated, cracked or older than three years, will be recommended for replacement at additional cost to customer.
11. Inspect air cleaner(s) at each service.
12. Check operation of the block heater.
13. Inspect brushes, commutators and or slip rings as required.
14. Inspect spark plugs, points, condenser, rotor and distributor cap.
15. Check turbocharger(s) for freedom of rotation, leaks, or carbon buildup.
16. Check gas pressure of LPG and NG units. Check for proper operation of all gaseous components and accessories.
17. Check level of main diesel fuel tank and day tank(s). Perform VISUAL diesel fuel sample. Note: Annual laboratory fuel analysis performed at an additional cost and not performed as part of the normal inspection.
18. Check "percent of fuel" or pressure in LPG fuel tanks.
19. Check and adjust float or trickle charger.
20. Check operation of the engine. Start and run unit. Check for vibrations, leaks and loose nuts and bolts. Observe engine instruments and record pressures, temperatures and battery charge rate conditions.
21. Check and record operational frequency. Amperage will also be checked if unit can be operated under load conditions with the customers' permission.
22. Verify proper operation of engine and generator safety shutdown devices.
23. Check for proper operation of transfer switch(s). Testing must be done under load in order to verify all functions of the transfer switch operation.
24. Check the operation of the automatic exercise clock.
25. Instruct owner/representative in the recommended operation and testing of the system.
26. Following each inspection, ACF Standby Systems will provide to the owner/representative, a written report. A "follow-up report will be forwarded noting any recommendations or additional work that may be required.
- 27. Change oil and oil filters annually.**
- 28. Change fuel filters, clean strainers and re-prime system.**
- 29. Check/clean and re-gap sparkplugs. Check/clean/adjust, distributor points, condensers, rotor and cap on gas/gaseous units.**
- 30. Clean and service dry type and or oil bath air filters. Recommend replacement of element at additional cost to customer.**
- 31. Verify and document rupture basin alarm operation.**
- 32. Take oil samples for analysis if applicable.**

GIS/ System Mapping

Briel's Assoc Land Surveyors, Inc.
7/1/2015 called to ask about system mapping as all previous surveys for utility & drawings done by them - called 2 years ago for quote but they never returned calls -

7/3/2015 Briel's Assoc. called - talked to them about putting together system map - said they'd have a quote by 7/9/2015

No quote received by Briel's Assoc.
by 7/10/2015 3:52pm



Atkins North America, Inc.
7175 Murrell Road
Melbourne, Florida 32940

Telephone: +1.321.242.4942
Fax: +1.321.242.6101

www.atkinsglobal.com/northamerica

March 17, 2015

Aquarina Utilities, Inc
Attn: Mr. Kevin Burge,
President
PO Box 308
Jensen Beach, FL 34958
Delivered via email to: aquarinautilities@bellsouth.net

**RE: Utility Service Area Expansion and Related Services
ATTACHMENT A**

SUMMARY

ATKINS (formerly PBSJ) has provided Aquarina Utilities, Inc (formerly Service Management Systems) plant services and development services in the Aquarina PUD for nearly 25 years. Following a February 16, 2015 meeting with Aquarina Utilities Inc (CLIENT) the CLIENT requested a proposal from ATKINS to provide the following services:

- GIS/GPS mapping of their existing facilities,
- Analyze the existing facilities and make recommendations on plant upgrades to potable water, reuse water, and wastewater operations that may be necessary to meet existing and future demands,
- Provide a summary of grants that are available to support the proposed improvements,
- Meet with stakeholders and assess the feasibility of expanding the utility service area, primarily to the south.

The services noted above are more fully described in the following scope of work:

SCOPE OF WORK

TASK 1 – GIS/GPS Mapping of Utility Infrastructure

The CLIENT's current utility service area will be mapped to locate and inventory the existing water, sewer, and reuse infrastructure. This task will first start out with an initial due diligence period to compose and compile historical records (including regulatory and client available files) and to create a schematic map of the located data. Atkins will also provide a proposed database design. The schematic map and database design will be provided to the CLIENT and ATKINS will schedule a conference call or meeting with the CLIENT for review.

Following approval by the CLIENT of the database design (feature and attribute definitions), ATKINS will convert existing utility inventory information to relevant GIS feature datasets (Water, Sewer, and Reuse). Each data set will contain point and line features that represent the utility features (i.e. Pipes, valves, manholes, hydrants, and other appurtenances). These features will be attributed with Feature ID, type, install date, size, and material. Manholes will include depth, rim-elevation, and invert in-out elevations as shown in as-built documents.

Following development of the GIS database, field validation will be performed. Location coordinates will be derived using mobile-GIS for surface available/visible infrastructure items (wells, valve pads, hydrants, backflow preventers, meters) throughout the Aquarina Development using GPS equipment having sub-meter accuracy. The GIS data will then be adjusted to incorporate the GPS location information in order to build a spatially accurate dataset.

Next the system will be deployed, pursuing an economically feasible approach. Considering the level of accuracy of mapping, cost, and a common mapping retrieval system approach, it is assumed that an internet-based option will be the most appropriate. This option will not require the CLIENT to purchase specialty software and is appropriate with the understanding that accuracy will be based on the order of magnitude of how the data is collected. The development of specialty software is not included in this scope of services.

ATKINS will develop a GIS based file system which can be imported into Google Earth using .kmz files or if desired ArcGIS Online (this option will require a separate purchase by the CLIENT of a basic subscription to Esri ArcGIS Online for Organizations).

Assumptions:

- The task fee proposed assumes the data will be developed for Water, Sewer, and Reclaimed Water systems. GIS Features will consist of pipes, valves, manholes, and appurtenances (Hydrants, BFP, Meters). The database will include attributes for the following: install date, material type, diameter, depth, invert in-out, rim elevation (all elevations will be taken from as-built plans). Dataset will also contain annotation features for pipe diameter.
- Field deployment costs were determined with assumption for GPS data collection to occur over a two week period (not counting weekends).
- Data to be delivered as KMZ files and Esri File Geodatabase. ArcGIS / ArcGIS Online option will need to be explored further to determine software / subscription costs. AGO is the recommended option as it will provide the client with mobile data access and editing capabilities, as well as operations dashboard potentials, and extended data functionality. The CLIENT will not be able to edit or maintain the dataset without ArcGIS Desktop purchase (approximate cost \$1500, not included in this scope) which includes basic ArcGIS Online for Orgs subscription.
- This task fee is lump sum.

TASK 2 – Plant Capacity & Service Area Expansion Analysis

Task 2A:

Note: a preliminary plant walkthrough and interview was performed by ATKINS on February 16, 2015. ATKINS will conduct a detailed high level review of the existing water and wastewater facilities. This will include a review of plant records, state permits (FDEP, SJRWMD) to develop baseline information,

determine available capacity, and analyze a schematic list of CLIENT requested upgrades (including additional well usage under facility's current CUP for reuse/irrigation, WWTP disposal drainfield availability, WWTP treatment process upgrade, additional parallel RO Treatment Train for potable, etc) that may be feasible. A summary of proposed facility improvements and estimated costs will be provided.

Task 2B:

ATKINS will provide a land use analysis of the proposed service area expansion to determine an approximate number of additional customer connections that may be created by existing and future development. This analysis will also include providing a summary of development options for parcels adjacent to Aquarina and along US Hwy A1A from Aquarina to Longpoint Road. This analysis includes a high level service area growth plan, utilizing GIS and land use data to estimate potential wastewater flows from area parcels/subdivisions. Based on Client direction on proposed future development ATKINS will provide a summary of capacity required for each parcels/subdivisions (i.e.- sections). A GIS based map will also be provided to reference the designated phases. This data and maps can be utilized for additional outreach in Task 3.

Assumptions:

- This task does not include detailed water/wastewater facility treatment/process analysis, water quality analysis or other design specific items.
- Task 2A includes a GIS parcel based analysis. The task does not include utility design, pipeline design or route studies.
- The task fee is a lump sum.

TASK 3 – Outreach and Stakeholder Involvement

ATKINS will coordinate with the CLIENT to develop a local community outreach program. The primary intent for this task will be to contact owners of parcels adjacent to Aquarina and parcels along US Hwy A1A from Aquarina to Longpoint Road and provide them with a summary of the proposed utility service area expansion. The community outreach program will consist of the following:

- One meeting for each of Items 1-3 below
- Preparation of Meeting Minutes for Items 1-3
- Follow-up (emails and phonecalls) correspondence to a reasonable extent.

ATKINS will also collect and forward feedback from the local community to the CLIENT.

This outreach effort may also include (pending availability and willingness of participation) coordination with some of the following:

1. District County Commissioner or staff to request support and coordination with the existing "Longpoint Park Campground Wastewater Treatment Analysis" study performed by ATKINS in 2012 submitted to Brevard County.
2. Local grant programs supporting preservation and restoration of the Indian River Lagoon by transitioning communities from septic systems to waste water treatment facilities, converting

potable water sources from wells to water treatment plants and utilizing reclaimed water for irrigation.

3. Other stakeholders or developers within the study area such as Seaworld (Busch Properties) or native investigation of de-commissioned Sewer plant

Reproduction and mailing of community flyers or similar material will be considered a reimbursable expense.

Assumptions:

- The task fee is Time and Materials based, given the nature of the task does not include specific deadlines or deliverables as shown.
- This task may also include conceptual schematic utility pipeline expansions (utilizing maps from Task 2A) for specific potential expansions where needed to enhance the outreach process.
- \$1000 has been included in this task for community outreach flyers, maps and other production items where required.

FEE


The above-mentioned services are as follows: Please note that tasks 1&2 are lump sum fees, Task 3 is time and materials fee:

Task 1 – GIS/ GPA Mapping	\$ 40,868
Task 2A – Future Growth Analysis	\$ 12,400
Task 2B – Land Use & Service Area Expansion	\$ 8,500
Task 3 – Outreach (Time and Materials Not to Exceed)	\$15,000
TOTAL	\$76,768

If additional services are required that exceed those identified in this Scope of Work, due to unforeseen conditions or CLIENT direction, a supplemental agreement will be submitted to the client for review and approval prior to the commencement of any additional tasks.

If you have any questions or comments, please do not hesitate to contact me directly at 321-775-6647 at your convenience.

Sincerely,



Jeffrey Lucas, PE
Project Manager

G:\Proposals\Aquarina\2015-03-12-Service Area Expansion Services - DRAFT.docx

Irrigation Well

→ attempted to
We contacted AMPS (Aquifer Maintenance & Performance Systems, Inc.)
7146 Haverhill Rd. N
West Palm Beach, FL 33407
(561) 494-2844

- we called & left messages several times over the last 2 years related to this request for a quote and previous work. They would not return our calls

→ Thompson well drilling -
see attached.
he was the only well driller we've been able to reach consistently for emergencies and service

Thompson Well & Pump, Inc.

PO Box 371 / DeLand, FL 32721-0371
 Tel: 386-740-0180 / Orlando 407-619-2523 / Fax: 386-740-1753
 Email: thompsonwell@bellsouth.net / Website: www.thompsonwell.com

May 26, 2015

Kevin Burges
 Aquarina Utilities
 235 Aquarina Blvd
 Melbourne Florida, 32951
 772-708-7946

Re: Installation Of New 10" Deep Well For Irrigation

	Description	Qty.	Unit Cost	Total Cost
a	Mobilization and Demobilization	LS	51,000.00	51,000.00
b	Furnish and Install By Driving 18" Steel Surface Casing	150 FT	150.00	22,500.00
c	Drill 17" Borehole Mud Rotary To 305 Feet BLS	305 FT	116.00	35,380.00
d	Remove Drilling Tools, Furnish and Install 10" Certa-Lok PVC Well Casing	305 FT	90.00	27,450.00
e	Grout 10" PVC Well Casing Into 17" Borehole From Bottom To Top Using Portland Cement	368 Bgs	67.00	24,656.00
f	Install Drill Rods and Drill Reverse Air 9 7/8" Borehole From 305 Feet to 405 Feet BLS	105 FT	257.00	26,985.00
g	Remove Drill String, Furnish, Set Up, Operate Test Pumping Equipment For Well Testing	LS	7,500.00	7,500.00
h	Complete Well Development Using Test Pumping Equipment	LS	2,500.00	2,500.00
I	Complete Well Head Pedestal, 10 Foot Square x 6" Thick Concrete Slab Around Well Site	LS	7,500.00	7,500.00
J	Furnish and Install Owners Existing Pumping Equipment Pulled From Old Well, With New 6" Column Pipe, Re-Conditioned Stuffing Box, New Upper Head Shaft, Sand Blasted and Epoxy Coated	LS	5,000.00	5,000.00
K	Complete Piping From New Well Site To Existing Piping In Plant Yard	LS	9,500.00	9,500.00
L	Complete Electrical wiring with New Alternating Starter Panel At Well Head,	LS	15,500.00	15,500.00
M	Well Construction Permit	1	120.00	120.00
TOTAL COST TO PERFORM THE ABOVE WORK.....				\$ 235,591.00

Thompson Well & Pump, Inc.

PO Box 371 / DeLand, FL 32721-0371

Tel: 386-740-0180 / Orlando 407-619-2523 / Fax: 386-740-1753

Email: thompsonwell@bellsouth.net / Website: www.thompsonwell.com

May 22, 2015

Re: Aquarina Utilities 10" Irrigation Well

Ground Level

18" 0.375 Wall Steel Surface Casing Installed to Estimated 150' BLS

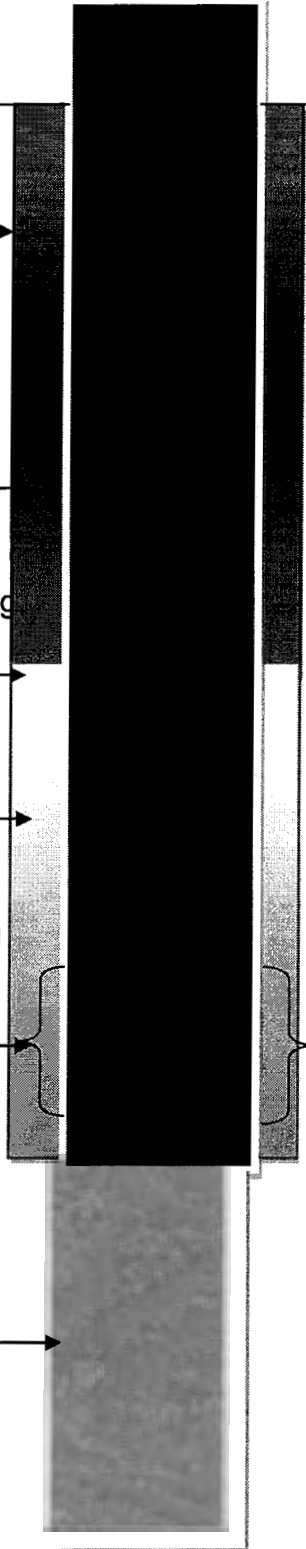
17" Diameter Borehole Drilled To Estimated 305' BLS

10" Certa-Lok PVC Well Casing Set Into 17" Borehole To Estimated 305' BLS

Annular Space Grouted With Portland Cement Bottom to Top

Stainless Steel Centralizers Installed Onto 10" PVC Casing Every 50' and 5' Off Top and Bottom To Centralize 10" Into 17" Borehole

9 7/8" Borehole Drilled Using Reverse Air Drilling Technique To Estimated 405' BLS Into Floridan Aquifer



Thompson Well & Pump, Inc.

PO Box 371 / DeLand, FL 32721-0371
 Tel: 386-740-0180 / Orlando 407-619-2523 / Fax: 386-740-1753
 Email: thompsonwell@bellsouth.net / Website: www.thompsonwell.com

May 26, 2015

Kevin Burges
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e	Grout 10" PVC Well Casing Into 17" Borehole From Bottom To Top Using Portland Cement	368 Bgs	67.00	24,656.00
f	Install Drill Rods and Drill Reverse Air 9 7/8" Borehole From 305 Feet to 405 Feet BLS	105 FT	257.00	26,985.00
g	Remove Drill String, Furnish, Set Up, Operate Test Pumping Equipment For Well Testing	LS	7,500.00	7,500.00
h	Complete Well Development Using Test Pumping Equipment	LS	2,500.00	2,500.00
I	Complete Well Head Pedestal, 10 Foot Square x 6" Thick Concrete Slab Around Well Site	LS	7,500.00	7,500.00
J	Furnish and Install Owners Existing Pumping Equipment Pulled From Old Well, With New 6" Column Pipe, Re-Conditioned Stuffing Box, New Upper Head Shaft, Sand Blasted and Epoxy Coated	LS	5,000.00	5,000.00
K	Complete Piping From New Well Site To Existing Piping In Plant Yard	LS	9,500.00	9,500.00
L	Complete Electrical wiring with New Alternating Starter Panel At Well Head,	LS	15,500.00	15,500.00
M	Well Construction Permit	1	120.00	120.00
TOTAL COST TO PERFORM THE ABOVE WORK.....				\$ 235,591.00

Thompson Well & Pump, Inc.

PO Box 371 / DeLand, FL 32721-0371

Tel: 386-740-0180 / Orlando 407-619-2523 / Fax: 386-740-1753

Email: thompsonwell@bellsouth.net / Website: www.thompsonwell.com

May 22, 2015

Re: Aquarina Utilities 10" Irrigation Well

Ground Level

18" 0.375 Wall Steel Surface Casing Installed to Estimated 150' BLS

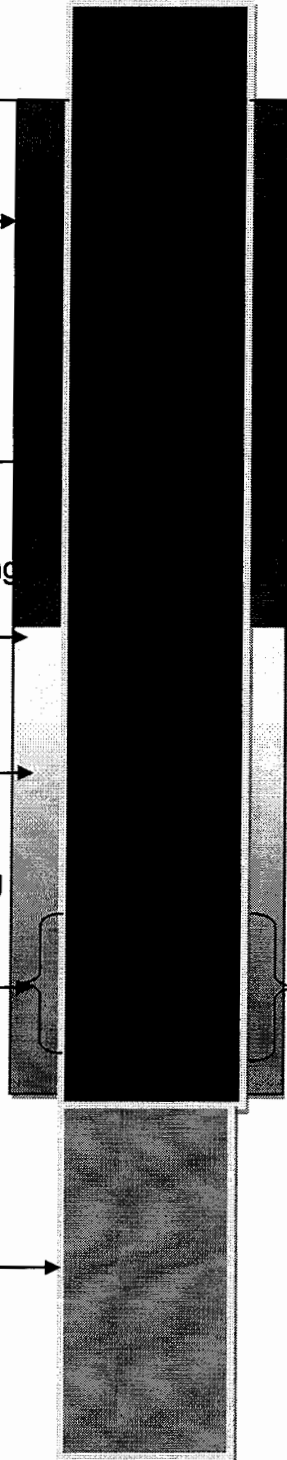
17" Diameter Borehole Drilled To Estimated 305' BLS

10" Certa-Lok PVC Well Casing Set Into 17" Borehole To Estimated 305' BLS

Annular Space Grouted With Portland Cement Bottom to Top

Stainless Steel Centralizers Installed Onto 10" PVC Casing Every 50' and 5' Off Top and Bottom To Centralize 10" Into 17" Borehole

9 7/8" Borehole Drilled Using Reverse Air Drilling Technique To Estimated 405' BLS Into Floridan Aquifer



R/O Skid

Kevin Barnes

Field Sales Representative

Mobile: (407) 496-3877

Tel: (407) 650-3569 x12

Fax: (407) 650-3565

kevin.barnes@evoqua.com



4506 L.B. McLeod Road, Suite C
Orlando, FL 32811

www.evoqua.com

7/1/2015

Culligan 877 683 7007

Kim Seals Industrial R/O
left message

Brannon Eldrich local Industrial Rep

7/1/15 GE Water

filled out online contact request
United States contact # 1 866 GE Water
they emailed & called / emailed rough
quote 7/7/2015

* all quotes received *



Budgetary

Capital Quote Number: 2015-92989
 Service Quote Number: 2015-92989 - SC

Proposal For: Aquarina Utilities, Inc.
 Holly Burge
 7500 S Hwy A1A
 Melbourne Beach, FL 32951
 Phone: 772-708-8350

Kevin Barnes
 Evoqua Water Technologies LLC
 4506 L.B McLeod Road, Suite C
 Orlando, FL 32811
 Phone: (407) 496-3877
 kevin.barnes@evoqua.com

BASE EQUIPMENT

Item Number	Description
W3T85151	<p>Reverse Osmosis System Function: Reduction of TDS and Organics</p> <p>A single pass reverse osmosis system typically removes 97% of the total dissolved solids (TDS) and 95% of naturally occurring organics. The water recovery and average membrane flux usually ranges from 65 to 80% recovery and 14 to 18 gfd respectively with both being dependent on the water chemistry.</p> <p>Vantage Series M83</p> <ul style="list-style-type: none"> • Model: M83R015ESXCD • Design product Flow: 75 GPM. • Five (5) 300 psig ASME Code Stamped FRP shell pressure vessels with end/side ports. • Horizontal membrane vessel orientation for ease of membrane serviceability. • Sch 80 PVC/316L Stainless Steel feed/reject piping with Sch 80 PVC for product piping. • 316L Stainless Steel high pressure feed/reject • RO system will have an industrial 30 horsepower 316L SST Vertical Centrifugal pump. • Fifteen (15) 8"x 40" thin film composite (TFC) Low Energy membranes. • 304L Stainless Steel RO Prefilter housing with 5 micron filter. • Economy • Instrumentation including: feed and product conductivity, temperature, pressure, and system flow rates. • RO system controlled by a MC-10 Microcontroller housed in an industrial enclosure. • Supply voltage: 460 VAC, 3 PH, 60 HZ • Economy Model includes Product/Reject/Reject Recycle Flow Indicators (Rotometers) and Raw Water Auto Flush See equipment specifications section for additional information.
W3T85209	<p>Reverse Osmosis System Function: Reduction of TDS and Organics</p> <p>A single pass reverse osmosis system typically removes 97% of the total dissolved solids (TDS) and 95% of naturally occurring organics. The water recovery and average membrane flux usually ranges from 65 to 80% recovery and 14 to 18 gfd respectively with both being dependent on the water chemistry.</p> <p>Vantage Series M83</p>



Item Number	Description
	<ul style="list-style-type: none"> • Model: M83R018ESYCD • Design product Flow: 90 GPM. • Six (6) 300 psig ASME Code Stamped FRP shell pressure vessels with end/side ports. • Horizontal membrane vessel orientation for ease of membrane serviceability. • Sch 80 PVC/316L Stainless Steel feed/reject piping with Sch 80 PVC for product piping. • 316L Stainless Steel high pressure feed/reject • RO system will have an industrial 30 horsepower 316L SST Vertical Centrifugal pump. • Eighteen (18) 8"x 40" thin film composite (TFC) Low Energy membranes. • 304L Stainless Steel RO Prefilter housing with 5 micron filter. • Economy • Instrumentation including: feed and product conductivity, temperature, pressure, and system flow rates. • RO system controlled by a MC-10 Microcontroller housed in an industrial enclosure. • Supply voltage: 460 VAC, 3 PH, 60 HZ • Economy Model includes Product/Reject/Reject Recycle Flow Indicators (Rotometers) and Raw Water Auto Flush See equipment specifications section for additional information.
W3T85295	<p>Reverse Osmosis System Function: Reduction of TDS and Organics</p> <p>A single pass reverse osmosis system typically removes 97% of the total dissolved solids (TDS) and 95% of naturally occurring organics. The water recovery and average membrane flux usually ranges from 65 to 80% recovery and 14 to 18 gfd respectively with both being dependent on the water chemistry.</p> <p>Vantage Series M84</p> <ul style="list-style-type: none"> • Model: M84R024ESCD • Design product Flow: 107 GPM. • Six (6) 450 psig ASME Code Stamped FRP shell pressure vessels with end/side ports. • Horizontal membrane vessel orientation for ease of membrane serviceability. • Sch 80 PVC/316L Stainless Steel feed/reject piping with Sch 80 PVC for product piping. • 316L Stainless Steel high pressure feed/reject • RO system will have an industrial 50 horsepower 316L SST Vertical Centrifugal pump. • Twenty Four (24) 8"x 40" thin film composite (TFC) Low Energy membranes. • 304L Stainless Steel RO Prefilter housing with 5 micron filter. • Economy • Instrumentation including: feed and product conductivity, temperature, pressure, and system flow rates. • RO system controlled by a MC-10 Microcontroller housed in an industrial enclosure. • Supply voltage: 460 VAC, 3 PH, 60 HZ • Economy Model includes Product/Reject/Reject Recycle Flow Indicators (Rotometers) and Raw Water Auto Flush See equipment specifications section for additional information.



Budgetary

Capital Quote Number: 2015-92989
Service Quote Number: 2015-92989 - SC

ITEM PRICING

Item Number	Description	Reference Number	Qty	Unit Price	Extended Price
W3T85151	RO, M83 15-MEM ECONO ILEC 460V 108,000 GPD	M83R015ESXCD	1 EA	\$42,637.44	\$42,637.44
W3T85209	RO, M83 18-MEM ECONO ILEC DVRT 460V 130,000 GPD	M83R018ESYCD	1 EA	\$47,687.20	\$47,687.20
W3T85295	RO, M84 ECONO 24-MEM ILEC 460VAC 60HZ 154,000 GPD	M84R024ESCD	1 EA	\$60,912.43	\$60,912.43



Payment Terms and Delivery

PO Terms

Purchaser acknowledges that Seller is required to comply with applicable export laws and regulations relating to the sale, exportation, transfer, assignment, disposal and usage of the goods and/or services provided under the Contract, including any export license requirements. Purchaser agrees that such goods and/or services shall not at any time directly or indirectly be used, exported, sold, transferred, assigned or otherwise disposed of in a manner which will result in non-compliance with such applicable export laws and regulations. It shall be a condition of the continuing performance by Seller of its obligations hereunder that compliance with such export laws and regulations be maintained at all times. PURCHASER AGREES TO INDEMNIFY AND HOLD SELLER HARMLESS FROM ANY AND ALL COSTS, LIABILITIES, PENALTIES, SANCTIONS AND FINES RELATED TO NON-COMPLIANCE WITH APPLICABLE EXPORT LAWS AND REGULATIONS.

Shipping Information:

- Freight is FOB - Free on board, freight prepaid and add to invoice.
- Shipping Account Number:

Terms:

- This quote is valid until 7/25/2015
- Payment terms are N30 - Net 30 days with proper credit, and are subject to the attached Evoqua Water Technologies LLC Terms and Conditions
- Pricing listed does not include applicable sales tax.
- New customers are pre-approved to \$1,000. All others will need to fill out a credit application and submit a hardcopy PO (or a "No PO Form").
- We require hard documentation of your ordering for Evoqua to process your order. For your convenience, we can start processing your order by signing and returning:
 - Fax to: (407) 650-3565
 - or Email to: kevin.barnes@evoqua.com
- You may also mail this to:
 - Evoqua Water Technologies LLC
 - 4506 L.B McLeod Road, Suite C
 - Orlando, FL 32811



Quotation

Date: July 9, 2015

Quote No.: OSM1J9

Quoted To: Holly Burge
 Aquarina Utilities
 aquarinautilities@bellsouth.net
 Melbourne Beach, FL 32951
 772-708-8350

Prepared By: Brannon Eldridge
 Culligan
 9399 W. Higgins Rd
 Rosemont, IL 60018
 Phone No.: 205-765-7005

100,000GPD NF System

Email:
 brannon.eldridge@culligan.com

On behalf of Culligan, I am appreciative of the opportunity to provide a quotation for a system that is sized to meet your request. We provide RO and NF systems around the world to treat both municipal and industrial applications. Our G3 Product line will provide you a reliable quality system that is proven to provide years of performance and easy to operate and maintenance.

This system is sized based on the information you provide via phone and through my discussions with Kevin Burge.

Equipment/Services:

1	<p>G3 Series Reverse Osmosis System (NF membranes)</p> <ul style="list-style-type: none"> ▪ 1 – G3-543 RO Plus, 2:2:1-4M array, 75% recovery <ul style="list-style-type: none"> ○ 1 – 316 SS cartridge filter housing (ASME Code) with 5 micron filter elements ○ 1 – 316SS multi stage vertical centrifugal pump, 30 HP ○ 4 – 300 psi, FRP membrane housings, 3L, ASME Code ○ 20 – NF membranes, thin film composite, 400 ft2 ○ 1 – Controller GBE Microprocessor <ul style="list-style-type: none"> ▪ Digital readout ▪ System Normalization ▪ Communication Capable ▪ Automated Operation ▪ See GBE Data Sheet for full details ○ 1 – Lot of instrumentation <ul style="list-style-type: none"> ▪ Flow – feed, reject and permeate ▪ Conductivity – feed and permeate ▪ Pressure – Feed and permeate ▪ Pressure differential – Cartridge filter ○ 1 – 316SS high pressure (>100 psi) piping ○ 1 – Sch 80 PVC low pressure (<100 psi) piping ○ 1 – Carbon steel, epoxy coated frame 	<p>Momar Price \$68,430</p>
----------	--	------------------------------------

Terms and Conditions:

All prices in US Dollars. Net 30 Days. Price does not include taxes or freight.

Quote Valid For: 30 Days

Delivery: 4-6 weeks from Culligan Acceptance of a signed purchase order and credit approval.

FOB: Factory

Additional Comments:

Removal:

Existing system will be removed by others.

Installation:

Installation is NOT included and currently is assumed to be performed by others.

Start-up and Training:

Note that start-up services cover the inspection of a completed installation and commission of the system. Start-up and training is included. Start-up and training is limited to 2 job site visits scheduled at least 7 days in advance and during normal business hours (8 AM to 4 PM). The start-up service is limited to 4 hours total. Training shall be no more than 4 hours. Time required beyond these allotments can be arranged at our normal hourly rates.

Miscellaneous:

This quotation does not constitute an offer to provide and/or perform the product/work at this price but is instead a quotation for such services as outlined above and would be subject to Culligan's Standard Terms and Conditions. If for any reason the information provided to Culligan is found to be inaccurate, incomplete or otherwise changed, Culligan reserves the right to provide an amended quotation.

Enclosures:

Culligan Terms and Conditions.
Product Specification Sheet(s).
Detailed Warranty.

Acceptance

I have read and agree to the terms and conditions above and attached.

Accepted: _____
Signature

Date: _____

Accepted: _____
Printed

Title: _____

Purchase Order #: _____

Thank you for your interest in our products and services. We are OEM's for general Electric and assemble fully integrated system at our shop in Fort Lauderdale. At you request, I'm pleased to present attached a GE RO water treatment system, model GE E108K Deluxe delivered to Melbourne FL \$ 62,480 - Depending on the feed water quality, you may need to add pre-treatment, chemical injection etc . If you send me water quality analysis I can prepare a more detailed offer for you. We can also offer a completely pre-assembled modular skid including pumps, filters etc - Please see picture attached
I will be traveling for the next 3 days, but I will e able to read my e-mail, although with some dleya

Best regards,

Jack Luxardo
Indagro Inc.
770-772-9076
www.indagro.net

E8 Series 60 Hz

Reverse Osmosis Machine 57,000 to 144,000 gallons per day

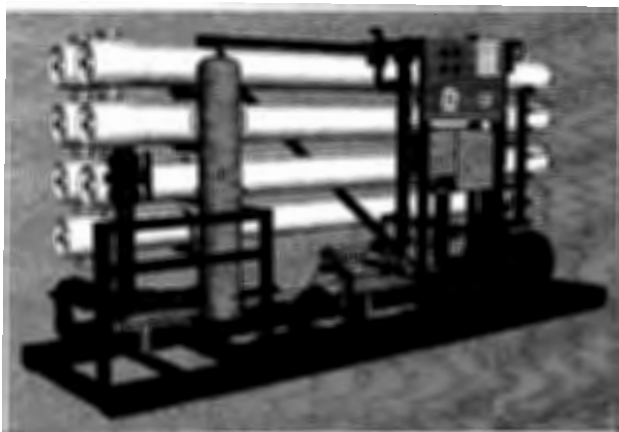


Figure 1: E8 Series 60 Hz

When you mention reverse osmosis (RO), GE Water & Process Technologies is the first name to come to mind. Our E-series RO machines (Figure 1) are designed for durable operation, high quality product water production, easy installation and straightforward control.

General Properties

Typical Applications

- Process ingredient water
- Safe drinking water
- Boiler feed water
- Ion exchange pre-treatment

Standard Economy Features

- Energy saving 400 ft² (37.2 m²) membrane elements
- SS high-pressure piping
- 1-micron pre-filter and SS housing
- Automatic inlet shut-off valve

- Accutrak RO microprocessor controller
 - Permeate and concentrate paddlewheel flow sensors
 - Permeate conductivity sensor
 - Permeate tank level monitoring
 - SD card for collection of operating data
 - ALARMS: Low inlet pressure, high concentrate pressure, high temperature, high permeate conductivity, motor fault, and fill-time exceeded
 - Remote machine on/off capability
- Feed water flush on shut down
- Panel-mounted pre-filter, post-filter, primary, and final pressure gauges

Deluxe (DLX) Features – in addition to ECN features

- Inlet pH sensor
- Chemical dosing pump for antiscalant dosing or pH adjustment
- Clean-In-Place pump plumbed, wired and mounted; remote tank
- ALARMS: Same as above plus high/low inlet pH, high permeate pressure

Table 1: Operating Parameters

Operating Pressure	200-250 psig (13.8-17.2 bar)
Maximum Recovery	75%
Nominal Rejection	95-98%
Operating Temperature	55-85 °F (13-30 °C)
Minimum Inlet Pressure	30 psig (2 bar)
Design Temperature	77 °F (25 °C)



Find a contact near you by
visiting gewater.com or
e-mailing custhelp@ge.com.

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Asia/Pacific
Shanghai, China
+86 (0) 411-8366-6489

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FS1129EN 0606

Table 2: Materials of Construction

Frame	Painted Carbon Steel
Membrane Elements	Desal AG8040F-400
Membrane Housing	FRP
Low Pressure Pipe	Schedule 80 PVC
High Pressure Pipe	Stainless Steel
Motor Starters	NEMA 4

Table 3: Pump and Motor

Pump Manufacturer	Tonkafo
Pump Type	Multi-stage, centrifugal
Materials	SS shell/housing, Nory/* internals
Castings	SS inlet/discharge
Motor	3-phase, TEFC, 460 VAC

Table 4: E8 Specifications - 60 Hz

Model	E8-57K	E8-86K	E8-108K	E8-144K	
ECN	1202846	1202850	1202833	1202835	
DLX	1202284	1202286	1202287	1202288	
Flow Specifications					
Recovery Range:	66-75%	66-75%	66-75%	66-75%	
Permeate Rate: gpm (m ³ /h)	40 (9)	60 (14)	75 (17)	100 (23)	
Concentrate Rate: gpm (m ³ /h)	21-13 (5-3)	30-20 (7-5)	39-25 (9-6)	52-33 (12-8)	
Pump and Motor					
RO Pump Model	SS8510KA	SS8512KB	SS12508KC	SS24006KE	
RO Motor: HP (KW)	15 (11.2)	20 (15)	25 (18.7)	40 (29.8)	
CIP Pump Model: (DLX only)	SS5504G	SS5504G	SS8504G	SS8504G	
CIP Motor: HP (KW)	5 (3.7)	5 (3.7)	7.5 (5.6)	7.5 (5.6)	
Membrane Elements and Filters					
Membrane Quantity	8	12	15	21	
Array	1-1-1	2-1-1	3-2	3-2-2	
Pre-Filter Quantity	7, RO.Zs 01-40-XK	7, RO.Zs 01-40-XK	7, RO.Zs 01-40-XK	7, RO.Zs 01-40-XK	
Connections					
Inlet: inch (cm)	2.0(5.1)	2.0(5.1)	2.0(5.1)	3.0(7.6)	
Permeate: inch (cm)	1.5(3.8)	2.0(5.1)	2.0(5.1)	2.0(5.1)	
Concentrate: inch (cm)	1.5(3.8)	1.5(3.8)	1.5(3.8)	1.5(3.8)	
Dimensions & Weights					
Height: inch (cm)	76(193)	76(193)	76(193)	76(193)	
Width: inch (cm)	153(388)	153(388)	153(388)	153(388)	
Depth: inch (cm) ECN	42(107)	42(107)	42(107)	42(107)	
Depth: inch (cm) DLX	91(231)	91(231)	91(231)	103(262)	
Shipping Weight Estimate: lb (kg)	ECN	2600(1200)	3000(1360)	3400(1500)	3800(1750)
Shipping Weight Estimate: lb (kg)	DLX	2800(1300)	3300(1500)	3700(1700)	4200(1900)

Blowers

- one old quote included in Schreiber quote book

- Pats Pumps - No too many errors

Barney's pumps see attached

Wayne Ashton Mnt. see attached

WAYNE ASHTON MAINTENANCE , INC
364 CYCLONE DRIVE
FT PIERCE , FL 34945
CELL: 772-370-4901
FAX: 772-466-9415



PROPOSAL

Date: 7/1/2015

Bill to: Aquarina Utilities, Inc.
Address: 10475 130th AVE, Fellesmere, FL 32948
Phone: 772-708-8350

Requested by: Kevin Burge

Job name: Aquarina - Melbourne

We hereby submit specifications and estimates for: Electrical Service: 230V/3/60hz

3 Barneys Pumps / Roots Airflo Type FSBlower Package Includes: Roots Model #URAI-56, 4"NPT inlet / disc connection, 10125" shaft diameter.20-24" CDBelts, Sheaves, Bushings, Pressure relief valve, Blower Table. Teco Westinghouse Max PE model #NPO104, 10 Hpmptr, 1800 rpm, 215T Frame. Stoddard model # F64, inlet filter. Stoddard model #D33H, Inlet silencer. Stoddard model D33H discharge silencer.

Adjustable motor frame for 215T frame diameter.

1 Unitron UL listed triplex fiberglass control panel includes: Main & Blower control breaker, Nema starter Alternator, Hand / Off / Auto Switch with run lights. Overload resets, (3) elapsed time meters, 24 Hr-96 pin, 7 day time clock.

For the amount of: \$32,912.00

Authorized signature: _____

Date: _____

QUOTATION NUMBER
03-15-0612

BARNEY'S PUMPS INC.



Page 1 of 4

12080 NW 40th Street Coral Springs, FL 33065-7602
Broward (954) 346-0669
Dade (305) 945-0279
Fax (954) 346-0993

DATE: 06-12-15

TO: Wayne Ashton Maintenance
364 Cydome Road
Fort Pierce, FL 34945
772-370-4901

FOR
SHIPMENT TBD
TO:

PROJECT: AirFlo Type FS Blower Package

<u>Delivery</u> 5 - 6 weeks	<u>Via</u> Bestway	<u>From</u> Barney's Pumps	<u>F.O.B.</u> Barney's Pumps	<u>Terms</u> net 30 with approved credit
--------------------------------	-----------------------	-------------------------------	---------------------------------	---

ITEM	QTY	DESCRIPTION	PRICE
		Electrical Service: 230V/3Ø/60hz	
A	3	Barney' Pumps / Roots AirFlo Type FS Blower Package Includes: <ul style="list-style-type: none"> • Roots Model # URAI-56, 4" NPT inlet / disc connection, 1.125" shaft diameter • 20-24" CD Belts, Sheaves, Bushings, Pressure relief valve, Blower Table • Teco Westinghouse Max PE model # NP0104, 10 HP motor, 1800 RPM, 215T Frame • Stoddard model # F64, inlet filter • Stoddard model # D33H, inlet silencer • Stoddard model # D33H, discharge silencer • Adjustable motor frame for 215T frame motor, 1.375" shaft diameter 	\$7,392.00 each
B	1	Unitron UL listed triplex fiberglass blower control panel includes: <ul style="list-style-type: none"> • Main & Blower control breaker • Nema starter • Alternator • Hand / Off / Auto Switch with run lights • Overload resets • (3) elapsed time meters • 24 Hr - 96 pin, 7 day time clock 	\$5,736.00
Total Budget Cost			\$27,912
Delivery is F.O.B. Barney's Pumps. Start-up and training services are NOT included. Taxes, anchor bolts, piping, field wiring, etc. are not included. <i>If shop drawings are required for approval, please request them from our office.</i>			

The following items are attached: Bulletin Performance curve Drawing

Prices quoted are firm for 30 days (unless otherwise noted), then subject to adjustment to agree with prices at time of shipment and subject to any tax required by law. This quotation is subject to Barney's Pumps standard terms of sale and warranty. We appreciate the opportunity to serve you and trust that we are favored with your order.

BARNEY'S PUMPS INC.

Tom Kalinski

Authorized Signature

Accepted _____



R.C. Beach & Assoc. Inc.

Pumping & Process Equipment

Date: February 20, 2013
To: Kevin/Holly Burge
Tel.: (772) 405-8090
Email: aquarinautilities@bellsouth.net

Subject: GR - Retrofit

Qt# Q2013-028

RC Beach is pleased to give you recommendations retrofitting the existing GR unit. These are recommendations only. Below you will find pricing as follows:

We are pleased to offer the following itemized quote:

<u>QTY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>	<u>PRICE EACH</u>	<u>TOTAL PRICE</u>
2	Ea	Blowers – Aerzen Gm10S 7.5 HP capable of 135 scfm @ 7.8 psi	\$35,750.00	\$71,500.00
1	Ea	Complete New Style GR Center Bearing with all Hose Connections, Couplings, Hardware, and Grout	\$29,555.00	\$29,555.00
1	Ea	Complete Blower Manifold Piping with Flanged Nipples	\$1,835.00	\$1,835.00
2	Ea	3" Butterfly Valves	\$163.00	\$326.00
2	Ea	U-Shaped Air Hoses and Galvanized Pipe Connections	\$395.00	\$790.00
1	Ea	Complete Scraper Blade from Clarifier Arm to Floor with T-Arm Mount	\$4,920.00	\$4,920.00
1	Ea	Complete New Style Scum Pump Assembly and Complete Set of Skimmer Blades with All Bracing	\$8,323.00	\$8,323.00
1	Ea	Complete Header Holder Assembly with Headers, All Bracing and Hardware	\$7,176.00	\$7,176.00
84	Ea	Diffuser Assemblies – Consisting of: 168 Diffusers and 84 Connectors	\$95.00	\$7,980.00
1	Ea	Complete Drive Carriage Assembly, Frame, Gear Motor with Hub, Wheels, Idler Axle, and Drive Covers	\$15,620.00	\$15,620.00
1	Ea	Site Visit to Confirm Measurements	\$2,530.00	\$2,530.00
1	Ea	Service Call - One (1) Man for ten (10) days to supervise and help install all above listed equipment. Includes labor, mileage, expenses and travel time	\$8,936.00	\$8,936.00
Total – Freight not included				\$159,491.00

NOTE: All cranes and lifting equipment to be provided by Aquarina WWTP.

Delivery- Ten (10) – Twelve (12) Weeks

CLARIFICATIONS

- Florida State sales or use tax not included.
- Freight is not included in pricing
- All quoted prices valid for 30 days from proposed date
- Current Manufacturing schedules at after receipt of PO 10-12 weeks

If you have any questions or require further assistance, please do not hesitate to contact us at your convenience.

Sincerely,

Rick Reiber

R. C. Beach & Associates, Inc.

Phone: 727-736-3696

Cell: 727-243-4897

Safety Equipment

See attached

- respirators w/valves	1 carton	\$ 17.-
- LED safety vest	2 ea	\$ 36.-
- traffic cones	10 ea	\$ 290.-
- walkie talkies 2 way 4ch.	2 ea.	\$ 358.-
- Eyewash sink	1 ea	\$ 179.-
- Pedestrian barrier	10 ea.	\$ 220.-
- Ring Buoys. 30" w/reflect. tape	2 ea	\$ 190.-
- safety shower w/eyewash	1 ea	\$ 1,173.-
- First Aid kit (large)		\$ 471.-
		<u>\$ 2,934.-</u>

- Safety equipment allowance
individual - pants, shirts, boots,
hearing, eye & head protection
(head protection required for
golf course) \$600 ea
per year
3 men

* total annual pers.
allowance \$1800-

Total \$4,734.-
first year
and \$2,000 each after.



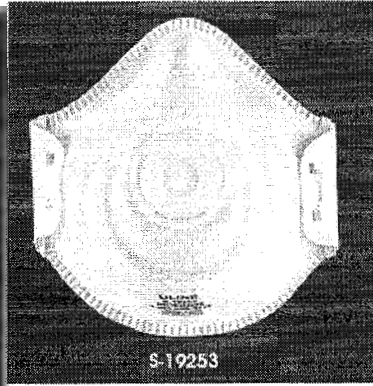
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ULINE INDUSTRIAL RESPIRATORS WITH VALVE

STANDARD WITH VALVE - Exhalation valve keeps your face cool and dry. Adjustable nose clip. Comfortable all-day wear. N95.

DELUXE WITH VALVE - Same features as Uline Deluxe with exhalation valve for cool, dry comfort. N95.

Free [H-3810 Dispenser](#) with any Uline Dust Mask order of \$300 or more. Use sale code **SP349** at checkout.

MODEL NO.	DESCRIPTION	RATING	QTY./ CTN.	PRICE PER CARTON			ADD TO CART
				1	3	10+	
S-10479	Standard Respirator w/ Valve	N95	10	\$13 any ctn. qty.			1 <input type="button" value="ADD"/>
S-19253	Deluxe Respirator w/ Valve			\$17	\$16	\$15	1 <input type="button" value="ADD"/>



1-800-295-5510

Search

Products Uline Products Quick Order Catalog Special Offers About Us Careers

Home > All Products > Safety Products > Safety Apparel > LED Safety Vest



LED SAFETY VEST

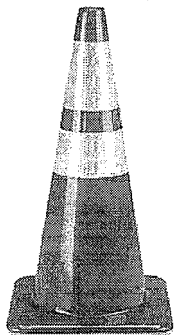
Be seen day or night in any weather. Recommended for parking attendants, warehouse staff and bicyclists.

- Visible from 2,000 feet away.
- 16 LED lights in 2" reflective tape last up to 150 hours.
- 3 modes - Slow flashing, fast flashing and continuous illumination.
- Breathable nylon mesh. Hook-and-loop closure.
- Requires 2 "AA" batteries. Sold separately.

MODEL NO.	DESCRIPTION	SIZE	PRICE EACH (MIN. 2)			ADD TO CART
			2	12	36+	
S-20798	LED Vest	One Size	\$18	\$16	\$15	2 <input type="button" value="ADD"/>

Search

Reflective Traffic Cone - 28", Orange



[More Images](#)

Re-route traffic as needed.

- Most common highway and roadwork cone.
- Durable PVC. Use indoors or out.
- Superior stability. Stackable.
- 3M reflective collars alert drivers in low light conditions.

Meets MUTCD nighttime requirements.

MODEL NO.	HEIGHT	COLOR	DESCRIPTION	PRICE EACH (MIN. 2)				ADD TO CART	
				2	10	25	50+	<input type="text" value="2"/>	<input type="button" value="ADD"/>
S-12188-O	28"	Orange	3M Reflective Collar	\$30	\$29	\$27	\$25	<input type="text" value="2"/>	<input type="button" value="ADD"/>

[Additional Info](#) [Email Page](#) [Request a Catalog](#)



Call us 7 days a week
1.888.978.7759
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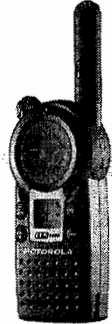
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Motorola CLS Series 2 Way Radio 4 Channel

Item #: T9A795372

Email Print

Sold By: [globalindustrial.com](#)

Usually ships in 2 to 5 days

[4 reviews](#) | [Write a review](#)

List Price: ~~\$209.00~~ Save: up to 14%

Price: \$179.00

Calculate Shipping

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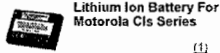
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[Omni 1.9" Dia. Steel Roller Conveyor Straight Section](#)

[Lithium Ion Battery For Motorola Cls Series](#)

[Motorola - Earpiece With Inline Push To Talk](#)

Frequently Purchased Together



Lithium Ion Battery For Motorola Cls Series

[Add](#) \$34.95



Motorola - Earpiece With Inline Push To Talk

[Add](#) \$27.95



Motorola® 53862/HMN9026CB Remote

[Add](#) \$56.95

[Product Information](#) | [Photo/Video Gallery](#) | [Warranty](#) | [Customer Review](#) | [Product Q&A](#) | [Accessories](#)

Click **SPECIFICATIONS** tab below to view 3/1/2015 - 6/30/2015 rebate promotion details.

Light Industrial Grade Radio
Motorola CLS 1110

Coverage up to 5 miles, 15 floors and 200,000 sq. ft. at 1 watt of power. 56 frequencies and 121 interference codes. Lithium battery provides up to 12 hours talk time with 3-hour recharging time in the drop-in tray charger. Choice of 3 call tones. Weighs only 4.5 oz. with battery and measures 2.0"W x 1.1"D x 4.1"H. 1 Year Limited Warranty.

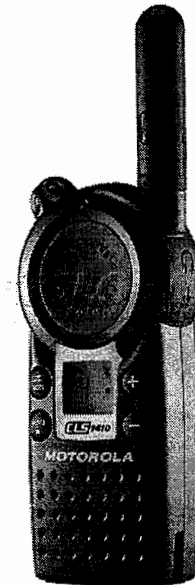
Light Industrial Grade Radio
Motorola CLS 1410

Coverage up to 5 miles, 15 floors and 200,000 sq. ft. at 1 watt of power. 56 frequencies and 121 interference codes. Lithium battery provides up to 12 hours talk time with 3-hour recharging time in the drop-in tray charger. Choice of 3 call tones. Weighs only 4.5 oz. with battery and measures only 4.1" x 2" x 1.1". 1 Year Limited Warranty.

Documents are in PDF format

Product Specifications

WIDTH INCHES	2
DEPTH INCHES	1.1
HEIGHT INCHES	4.1
COLOR FINISH	Black
ASSEMBLY	Assembled
BRAND	Motorola
CONSTRUCTION	Plastic
MANUFACTURERS PART NUMBER	CLS1410
MODEL	Professional
POWER	DC



Headset/Microphor Port With Cap

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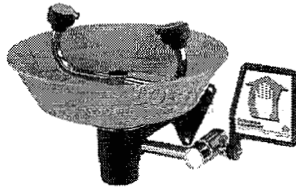
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Guardian Equipment Eye And Face Wash Eye Wash Fountain, G1814P

Item #: T9A994100 [Email](#) [Print](#)
 Sold By: globalindustrial.com

Usually ships same day.

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[Graphic Facility Signs - First Aid - Plastic 7x7](#)

[Graphic Facility Signs - Emergency Eye Wash - Plastic 7x7](#)

[Structural Plastic Vented Shelving, 36\"](#)

Qty	Price
1-2	\$178.95 ea.
3+	\$165.95 ea.

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[Graphic Facility Signs - Emergency Eye Wash - Plastic 7x7](#) (4)
[Add](#) \$5.69

[Guardian Equipment Faucet Mount Eye And Face Wash, G1814P](#) (18)
[Add](#) \$64.95

[Purell Hand Sanitizer Dispenser - LTX White](#) **Free Shipping** Not Yet Rated
[Add](#) \$31.95

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EMERGENCY WASH STATION

In the event of accidental chemical splash, your safety and health depend upon how quickly you can be treated. These systems provide immediate and effective first aid treatment required. All models come with a ANSI compliant identification sign and meet ANSI Standard Z358.1-1998 specifications.

EYE WASH FOUNTAIN

Units have two GS-Plus spray heads to deliver water in a soft, widespray rather than a solid, narrow stream. The user receives more water over a wider area. Spray heads have "flip top" dust cover, internal flow control and filter to remove impurities from water flow. 1/2" IPS stay open ball valve permits "hands free" operation.

High Impact Plastic

Product Specifications

COLOR FINISH	Silver/Orange
CONSTRUCTION	High Impact Plastic
DESCRIPTION	GS-Plus Spray Heads, ABS Plastic Bowl
MANUFACTURERS PART NUMBER	G1814P
MODEL	994100
MOUNT TYPE	Plumbing Required, Wall Mount
ASSEMBLY	Unassembled
WEIGHT LBS	6
TYPE	Eye Wash Fountain
BRAND	Guardian Equipment



Perfect for Treating Chemical Splashes

Have A Question About This Product?

1 Question | 1 | Answer
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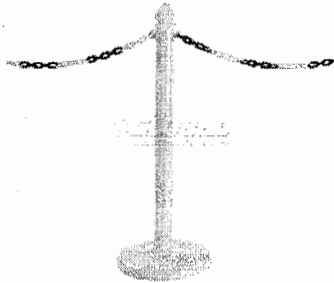
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Return to Category List Home Safety & PPE Crowd Control Crowd Control Posts & Ropes Indoor/Outdoor Plastic Pedestrian Control



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Pedestrian Barrier Chain Type Post Non-Reflective With Base - Pkg Qty 6

Item #: T9A822022Y

Sold By: globalindustrial.com

Email Print

Usually ships same day.

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\$22.00 each

Sold in packages of 6

Price: \$132.00

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Quantity:

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[Pedestrian Barrier Chain Type Post Non-Reflective With Base -](#)

[Pedestrian Barrier Chain Type Post Non-Reflective With Ground](#)

[Pedestrian Barrier Chain Type Post Non-Reflective With Ground](#)

Frequently Purchased Together

50'L Plastic Chain Yellow/Black For Traffic
 (10)
 Add \$29.95

Yellow Speed Bump With Hardware - 108"L
 (1)
 Add \$159.95

Yellow Parking Curb with Hardware 72"L x 4"H x 6"W
 (1)
 Add \$59.95

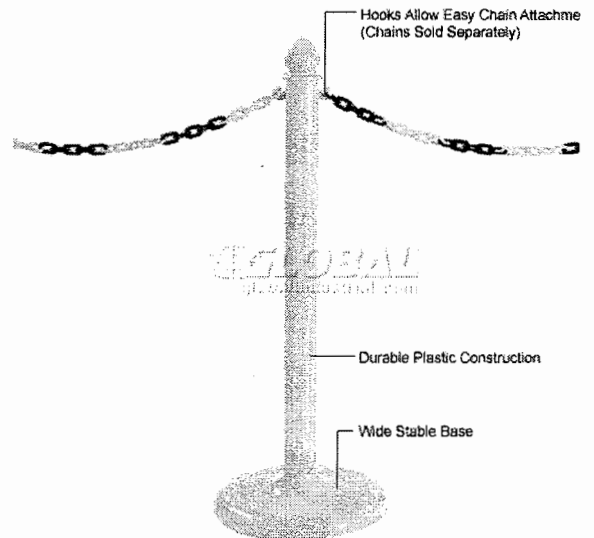
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- Product Q&A
- Accessories

Post with Portable Base for Indoor Outdoor Pedestrian Control

Keep aisles clear from moving traffic and secure sensitive areas. These high-density polyethylene posts have a portable 14" diameter base that can be filled with sand for stability. Use one post every 8' of area secured. Plastic posts measure 41"H x 2" diameter and are sold 6 per carton. Use with the heavy-duty Plastic Chain (sold separately).

Product Specifications

LENGTH INCHES	2
WIDTH INCHES	14
HEIGHT INCHES	41
COLOR FINISH	Yellow
ASSEMBLY	Assembled
BRAND	Global Industrial
CONSTRUCTION	Plastic
STYLE	Portable Base
TYPE	Post
WEIGHT LBS	1
PACKAGE QUANTITY	6
MODEL	822022Y



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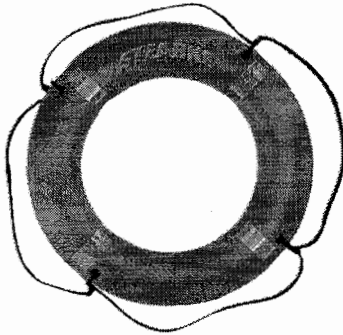
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[Stearns® Ring Buoys](#)

Stearns® Ring Buoys

Stearns® Ring Buoys Are US Coast Guard-Approved Ring Buoys.

Stearns® Ring Buoys are made from high-impact, low-density polyethylene for long lasting durability. 24-in. industrial-grade life buoy stands up to exposure in harsh outdoor conditions. Encircling rope attached to the outside of the ring provides an extra non-slip gripping surface and is replaceable so the buoy can remain on active duty longer. Available styles are 24" Ring Buoy, 30" Ring Buoy and 30" Ring Buoy w/Reflective Tape. Available in Orange or White.



[Clear Filters](#)

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	DESCRIPTION	SIZE	COLOR	MATERIAL(S)	IMAGE	MODEL	QTY	PRICE
<input type="checkbox"/>	24" Ring Buoy	24"	Orange	Polyethylene		T9AB1642544	<input type="text"/>	\$65.95
<input type="checkbox"/>	24" Ring Buoy	24"	White	Polyethylene		T9AB1642651	<input type="text"/>	\$53.95
<input type="checkbox"/>	30" Ring Buoy with Reflective Tape	30"	Orange	Polyethylene		T9AB1642707	<input type="text"/>	\$76.95
<input type="checkbox"/>	30" Ring Buoy	30"	White	Polyethylene		T9AB1642694	<input type="text"/>	\$65.95
<input type="checkbox"/>	30" Ring Buoy with Reflective Tape	30"	Orange	Polyethylene		T9AB1642715	<input type="text"/>	\$94.95
<input type="checkbox"/>	30" Ring Buoy	30"	Orange	Polyethylene		T9AB1642701	<input type="text"/>	\$69.95

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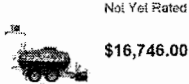
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Safety Showers & Eye Washes, Chemical
 Sold By: globalindustrial.com
 Item #: T9AB1101101



Not Yet Rated
\$238.95

Hughes® Mobile Self-Contained
 Sold By: globalindustrial.com
 Item #: T9AB1372458



Not Yet Rated
\$16,746.00

Safety Showers & Eye Washes Poster
 Sold By: globalindustrial.com
 Item #: T9AB1342723



Not Yet Rated
\$12.95

Hughes® Mobile Self-Contained
 Sold By: globalindustrial.com
 Item #: T9AB1562108



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\$16,681.00

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[Hughes Safety Showers, Eye/Facewash & Sho](#)

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Hughes® Unheated Emergency Safety Shower with Eye/Facewash with Steel Bowl EXP-18GS/85G-SS

Item #: T9AB1372454
 Sold By: globalindustrial.com

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Usually ships in 2 to 5 days

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List Price: ~~\$4,440.38~~ Save: up to 19%

Price: \$1,173.00

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Frequently Purchased Together



Hughes® Multi-Nozzle Portable 300G
 Not Yet Rated

[Add](#) **\$3,199.00**



Hughes® Portable Self-Contained Gravity Fed
 Not Yet Rated

[Add](#) **\$184.95**



Hughes® Premium Emergency
 Not Yet Rated

[Add](#) **\$811.00**



Hughes® Control -
 Not Yet Rated

[Add](#) **\$127.95**

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[Accessories](#)

Hughes® Unheated Emergency Safety Shower with Eye/Facewash with Steel Bowl EXP-18GS/85G-SS

The shower is operated by a pull handle for ease of use in an emergency. It has a removable self-draining overhead shower nozzle, which is specifically designed for high flow rates in line with ANSI standards. The eye/facewash has twin spray nozzles with dust covers and is push plate operated. The eye wash diffusers are fitted with fine mesh strainers and individual flow controllers and are designed to give a gentle flow of aerated water. The water jets lift off the dust covers when operated. Shown with optional Optiflex hand shower and optional foot treadle. NB: Supplied in partially assembled sections for quick assembly.

Product Specifications

LENGTH INCHES	29-1/2
WIDTH INCHES	11-1/4
HEIGHT INCHES	90-3/4
COLOR FINISH	White/Green
CONSTRUCTION	Stainless Steel Pipe, Valve, Stainless Steel
DESCRIPTION	Unheated Emergency Eye/Facewash with S
MANUFACTURERS PART NUMBER	EXP-18GS/85G-SS
LIMITED WARRANTY	2 Years
PRESSURE (PSI)	28.45 PSI - 85 PSI
EYE/FACE WASH INLET	1-1/4" NPT
TEMPERATURE RANGE MAX	95°F
TEMPERATURE RANGE MIN	35°F
FLOW RATE @ PRESSURE	31 GPM @ 30 PSI
VALVE	316 Stainless Steel
TYPE	Indoor Safety Shower
BRAND	Hughes Safety Show
SHOWERHEAD	Hughes UPVC Nozzle

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Shop Online - First Aid - First Aid Cabinets - 0180 X-Large Five-Shelf Metal Cabinet

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- Energy
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- High Heat | Outdoors
- Skin Protection
- Eye Care
- Bloodborne Pathogens
- General First Aid

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0180 X-Large Five-Shelf Metal Cabinet

Product Description:

ZEE's largest pre-filled cabinet is made of steel for maximum durability. Five shelves and 22 vinyl pockets makes the wide range of products easily visible and accessible. 28 1/4" x 19 1/4" x 6 5/8"

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A heavy item handling fee of \$20.59 will be added to this item at checkout.

Item Number:
0180

Price:
\$470.86

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Runtime error in mm5/5.00/modules/fulfill/followon.mvc @ [00000015:00000d66]: followon.mv: Line 1116: Mv5MTP: 5.5.4 Syntax: MAIL FROM:<address>

Lab Equipment

Combination cabinet Acid/Flam.	1ea	\$ 911.-
Binocular Microscope	1ea	\$ 1,910.-
Buret Auto Acrylic 10ml.	6ea	\$ 2,865.-
Desiccator cabinet	2ea	\$ 406.-
Hach chlorine pocket II Colorimeter	3ea	\$ 1,275.-
Hach sension Conductivity probe	1ea	\$ 1,272.-
Thermo Orion Dual Star Kit Meter	1ea	\$ 1,740.-
Imhoff Cone Rack, Acrylic	3ea	\$ 573.-
Imhoff Cone Packs	3ea	\$ 405.-
NIST Traceable Thermometer	1ea	\$ 315.-
Non-Mercury NIST Thermometer	1ea	\$ 365.-
Lab workbench 16'4"	2ea	\$ 5,190.-
VWR Balance Table	1ea	\$ 1,072
VWR Cabinets.		
Barnstead E-Pure Deion. Syst.	1ea	\$ 4,170.-
(DEP requires!)		
A&D GR Series Analytical Balance	1ea	\$ 4,410.-
Benchtop Muffle Furnace	1ea	\$ 2,560.-
Welch Piston-Style Vacuum Pump	1ea	\$ 685.-

\$ 30,124.-

add 20%
shipping & installation \$ 6,025.-

\$ 36,150.-



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Now In: [Lab Equipment / Storage and Furniture / Combination Cabinet, Stackable Acid/Flammable](#)

Combination Cabinet, Stackable Acid/Flammable

E-mail this product to a friend

- Designed for stacking or stand-alone use
- Flammable and Combination cabinets meet applicable OSHA and NFPA Code 30 specifications

Item: 78587
Weight: 175.0 lbs
Catalog Price: **\$910.95**

Quantity:



[View larger image](#)

[Catalog Page 1412](#)
[Performance Specifications](#)

Save valuable floor space by stacking up to three cabinets or use individually on your bench. Easily identify cabinet contents by color and 10" hazard label. All cabinets are constructed of 1" thick, high-density plywood and are finished with chemically resistant, epoxy paint. Combination cabinets feature an inner wall to completely separate the compartments. All others are made without the inner wall to maximize storage space.

Choose from standard or mini sized cabinets to best utilize available space. Standard cabinet dimensions are 47"W x 18"H x 18"D. Mini cabinet dimensions are 31"W x 17"H x 14-1/2"D. Order a corresponding floor stand when stacking cabinets.

Note: Some municipalities require self-closing doors on flammable cabinets. Self-closing doors are available. Contact USABlueBook for more details.

Shipping: Ships motor freight.

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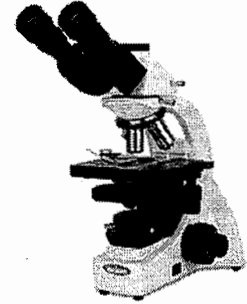
Binocular Microscope Phase Contrast, Plan Achr Obj

E-mail this product to a friend

- Infinity-corrected optics
- Binocular head
- Phase contrast

Item: 33656
 Weight: 10.0 lbs
Catalog Price: \$1,909.95

Quantity:

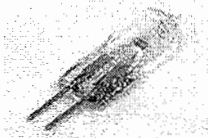
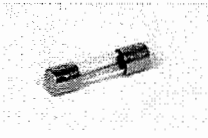


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Catalog Page 616
 Product Manual

For daily use, VanGuard Advanced microscopes are a great choice. They have features similar to the Professional models, at lower prices. All models feature infinity-corrected optics, 10X WideField high-eyepoint eyepieces, interpupillary and diopter adjustment, plan achromatic objectives, 1.25 N.A. Abbe condensers, coaxial focusing controls and 20W/6V variable quartz halogen illumination.

Phase models feature true Zernike condensers. 110 VAC. Alternate voltages are available. Contact USABlueBook for details.

Related Accessories	Tech Specs	Related Products	Recently Viewed Products
 <p>Replacement Microscope Lamp Halogen, 20 W, Sold Each \$9.39 <input type="checkbox"/></p>		 <p>Replacement Microscope Fuse 0.5 A, 250 V, Sold Each \$3.09 <input type="checkbox"/></p>	

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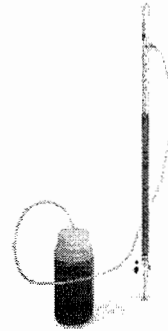
Now In: Lab Equipment / Burets / BURET AUTO ACRYLIC 10ML, 3640-0010

BURET AUTO ACRYLIC 10ML, 3640-0010

E-mail this product to a friend

Item: 205020
Weight: 0.4 lbs
Catalog Price: \$477.45

Quantity:



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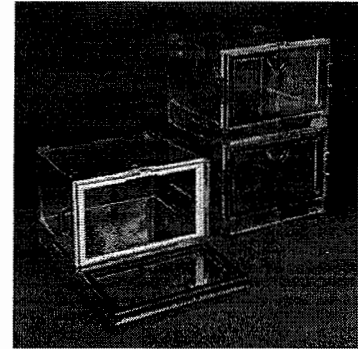
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DESICCATOR DRY KEEP CABINET PS 23x20x17cm, H420530000

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Item: 205779
Weight: 18.0 lbs
Catalog Price: \$202.95

Quantity:



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Now In: Lab Testing / Chlorine Testing: Instrumentation / Hach Chlorine (Free and Total) & pH Pocket II Colorimeter, 0.1 to 10.0 mg/L Cl₂ and 6.0 to 8.5 pH, 5870012

Hach Chlorine (Free and Total) & pH Pocket II Colorimeter, 0.1 to 10.0 mg/L Cl₂ and 6.0 to 8.5 pH, 5870012

E-mail this product to a friend

- Measure chlorine (free and total) and pH with one meter
- Waterproof; backlit display
- Datalogging and recall

Item: 77234
Weight: 0.8 lbs
Catalog Price: **\$425.00**

Quantity:

3



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Catalog Page 670
SDS/MSDS
Product Manual

Hach's Chlorine (Free/Total) and pH Pocket Colorimeter II offers simple, accurate and reproducible measurements. It comes in a ready-to-use kit that includes the meter, reagents, sample cells and carrying case.

The meter has just four buttons for easy operation. It's factory programmed for the DPD method (for high-range chlorine) and the phenol red method (for pH). No manual calibration is ever required— simply zero the instrument with a blank, insert the reacted sample and read the result. The meter stores the ten most recent data points with a time/date stamp.

The colorimeter features an impact-resistant waterproof housing that floats, and a large backlit display. The long-lasting LED gives a lowpower light source and increases battery life. For process control testing only.

Includes: sample cells, reagents to perform 100 tests, four AAA batteries, instructions and hardside carrying case. 2-year meter warranty.

Related Accessories Tech Specs Related Products Recently Viewed Products



Hach DPD 1 (Free) Powder Pillows for 25 mL Sample, 100/pk, 1407099

\$23.30



Hach DPD 4 (Total) Powder Pillows for 25 mL Sample, 100/pk, 1406499

\$23.30



Hach Phenol Red Spec Grade Indicator Solution, 50 ml, 2657512

\$13.39



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Now In: Lab Testing / Conductivity Testing: Instrumentation / Hach sensION+ EC71 Benchtop Kit with 5070 General Purpose Conductivity Probe, LPV3170.97.0002

Hach sensION+ EC71 Benchtop Kit with 5070 General Purpose Conductivity Probe, LPV3170.97.0002

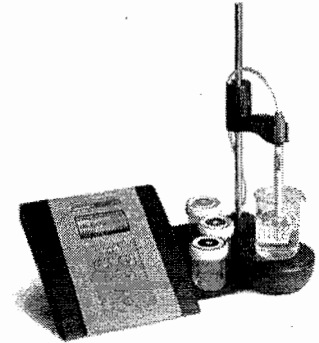
E-mail this product to a friend

- Complete conductivity workstation keeps you organized
- Includes integral magnetic stirrer and sensor support stand
- Easy-to-use intuitive interface

①

Item: 41316
 Weight: 2.4 lbs
Catalog Price: \$1,272.00

Quantity:



[View larger image](#)

Catalog Page 679
 SDS/MSDS
 Product Manual

sensION+ conductivity benchtop kits combine Hach quality with the convenience of a compact integral workstation. The workstation includes a built-in magnetic stirrer and electrode support stand to ensure your readings are as accurate as possible. The stations also have a place for your calibration solutions and sensor to keep you organized.

Meters measure conductivity, salinity and temperature. Guided menu navigation in your choice of 6 languages makes testing easy and reduces training time. Measure in continuous mode or in stability mode to freeze your stable value. Meters also feature 1-, 2-, or 3-point calibration, user-programmable calibration frequency and a backlit LCD.

Choose from basic EC7 or advanced EC71 meters. The EC71 also measures TDS, and lets you calibrate ATC for more accurate temperature readings. It datalogs up to 330 measurements that you can download to your PC for GLP reporting. You can even attach the EC71 to your PC keyboard or a bar code reader to customize sample names for datalogging.

Kits include: meter with integral workstation, sensor, calibration solutions (147 µS, 1413 µS and 12.88 mS), calibration flasks, power cord, and manual. 3-year meter warranty; 1-year sensor warranty.

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Now In: Lab Testing / pH Testing: Benchtop Instrumentation / Thermo Orion Dual Star Kit Meter/Probes/Solutions,2115001

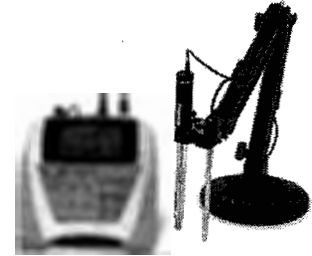
Thermo Orion Dual Star Kit Meter/Probes/Solutions,2115001

E-mail this product to a friend

- Combines the simple 720A+ interface with the advanced features of the Star series
- Meter prompts guide you through operation
- Direct ion readout and custom ISE options

Item: 40366
 Weight: 16.5 lbs
 Catalog Price: **\$1,739.95**

Quantity:



The DUAL STAR meter is perfect for your busy lab. Save time by measuring two parameters (such as pH and ammonia) at once. Simply connect both electrodes to this dual input meter, calibrate, and measure. You don't have to switch electrodes and recalibrate between measurements. Separate ATC channels for each input lets you correct individual readings accurately; there's no need for a complete recalibration of all points just to change a specific point.

This meter is designed for ion concentration measurements. The simple-to-follow interface guides you through the process. Display results in ppm, mg/mL, mole/L, % or no units. View and print your calibration graph with slope data. The automatic blank correction aids in low-level measurements, and can be turned on or off. Known addition and subtraction methods are programmed into the unit. You can even control the stirrer probe (sold separately below) directly from the meter to maintain a homogenous sample.

SMART STABILITY™ and SMART AVERAGING™ functions give you precise readings in no time. EZ Startup™ quickly gets you up and running—program basic setup screens without the use of a manual. Store up to 10 methods with password protection and up to 1000 readings with time/date stamping, electrode verification and full calibration data. View the data on the meter, or download it through the USB port or bi-directional RS-232 interface. You can even control the data transfer for the date ranges you would like to see.

40365 Meter includes: meter; 8102BNUWP refillable glass body double-junction ROSS Ultra electrode; 927007 ATC probe; electrode stand; power adapter; quick start guide and instruction manual.

40366 Meter Kit includes: all above, plus one pint each of 4, 7 and 10 pH buffers and one pint of ROSS electrode storage solution.

3-year meter, 2-year electrode and 1-year ATC probe warranties.



Catalog Page 788
 Performance Specifications
 Product Manual

Related Accessories Tech Specs Related Products Recently Viewed Products

Orion ROSS Ultra pH Electrode with BNC, Glass (8102BNUWP)	ATC probe, Orion Star Meters Stainless Steel, 927007MD	Orion Stirrer Probe f/Star Meters, 096019	USABB pH Buffer Pack, 1 Pint Each of 4,7,10 & Storage Soln.
\$469.95	\$329.95	\$240.00	\$37.95

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Now In: Lab Testing / Solids Testing / Imhoff Cone Rack, Acrylic

Imhoff Cone Rack, Acrylic

E-mail this product to a friend

Item: 41362
Weight: 3.0 lbs
Catalog Price: **\$190.95**

Quantity:



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Catalog Page 794

(3)

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Now In: Lab Testing / Solids Testing / Imhoff Settling Cones, Wheaton Pack of 4

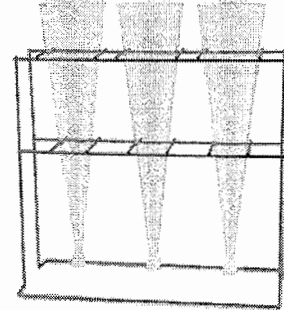
Imhoff Settling Cones, Wheaton Pack of 4

E-mail this product to a friend

Item: 41369
Weight: 3.0 lbs
Catalog Price: \$134.95

Quantity: 1 Add to Cart Add to Wish List

3



View larger image

Catalog Page 794

These plastic cones have a removable screw-off bottom to make cleaning easy. They are externally graduated: 0.3 to 1 mL in 0.1 mL; 1 to 10 mL in 0.5 mL; 10 to 40 mL in 1 mL; and 40 to 100 mL in 2 mL increments. There are also lines at 250, 500, and 1000 mL. Meets Standard Methods requirements. Sold only in packs of 4.

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Now In: Lab Testing / Temperature: Glass Thermometers & Accessories / NIST Traceable Thermometer -1 to 61 Deg C, Non-Mercury

NIST Traceable Thermometer -1 to 61 Deg C, Non-Mercury

E-mail this product to a friend

- Supplied with NIST traceable Calibration Report
- Use to check accuracy of other lab thermometers
- Non-toxic, non-hazardous Enviro-Safe liquid fill

Item: 34455
 Weight: 0.5 lbs
Catalog Price: \$314.95

Quantity:



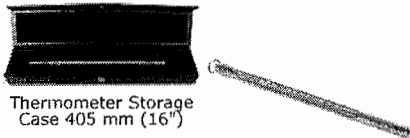
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Catalog Page 802
 SDS/MSDS

These high-quality thermometers are calibrated at the factory to NIST standards and are ideal for precise temperature measurements. Thermometers have a unique black-on-yellow design that allows them to be read easily. Report of calibration states corrections to 1/10th of smallest division.

Include: a storage box, suspension ring, and a laminated Report of Calibration traceable to NIST.

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Thermometer Storage Case 405 mm (16")

\$81.95

Thermometer Armor Cases 460 mm L

\$33.95

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Now In: Lab Testing / Temperature: Glass Thermometers & Accessories / Non-Mercury NIST Thermometer -20 to 110 deg C, 6 point cal

Non-Mercury NIST Thermometer -20 to 110 deg C, 6 point cal

E-mail this product to a friend

- Supplied with NIST traceable Calibration Report
- Use to check accuracy of other lab thermometers
- Non-toxic, non-hazardous Enviro-Safe liquid fill

Item: 34589
 Weight: 0.5 lbs
Catalog Price: \$364.95

Quantity:



These high-quality thermometers are calibrated at the factory to NIST standards and are ideal for precise temperature measurements. Thermometers have a unique black-on-yellow design that allows them to be read easily. Report of calibration states corrections to 1/10th of smallest division.

Include: a storage box, suspension ring, and a laminated Report of Calibration traceable to NIST.

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[Catalog Page 802](#)
[SDS/MSDS](#)

Related Accessories	Tech Specs	Related Products	Recently Viewed Products
<p>Thermometer Storage Case 305 mm (12")</p> <p>\$81.95</p> <input type="checkbox"/>	<p>Thermometer Armor Cases 305 mm L</p> <p>\$26.95</p> <input type="checkbox"/>		

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Fixed Height

Lab Design Work Benches

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Previous item in product family

Lab Design Workbench 16'4" W X 30" D X 3'-3/4" H, Burgundy

Item #: T9FB676170

Email Print

Sold By: globalindustrial.com

Usually ships in 14 to 17 days

0 reviews | [Write a review](#)

Price: **\$5,190.00**

Calculate Shipping

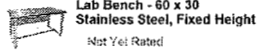
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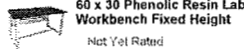
- [Lab Design Workbench 16'4" W X 30" D X 3'-3/4" H, Navy Blue](#)
- [Lab Design Sink Bench 3'-3/4" H X 30" D X 107" W, Stone Gray](#)
- [Lab Design Student Pod Bench 71" W X 71" D X 3'-3/4" H](#)

Frequently Purchased Together



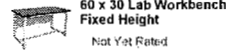
Lab Bench - 60 x 30
 Stainless Steel, Fixed Height
 Not Yet Rated

Add \$660.00



60 x 30 Phenolic Resin Lab
 Workbench Fixed Height
 Not Yet Rated

Add \$804.00



60 x 30 Lab Workbench
 Fixed Height
 Not Yet Rated

Add \$475.95

Product Information

Product Q&A

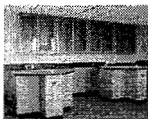
Accessories

LabDesign offers a universally used lab bench that can be used in almost any setting. The layout is made to be both flexible and inexpensive for the lab manager who needs a workbench now. The configuration includes (2) 4' wide cupboard cabinets, (2) 3' wide combination drawer/door cabinets, and knee space with a 30" wide pencil drawer. All of this is covered with a 1" thick black epoxy resin countertop measuring 16'4" x 2'6". The cabinetry is made to change its internal components with the use of a screw driver, so now you can change your two door unit into an 8 drawer unit down the road when your needs change. Overall dimensions are 16'4"L x 2'6"D x 36-3/4"H.

Product Specifications

COLOR FINISH	Burgundy
ASSEMBLY	Not Included
CONSTRUCTION	Steel/Epoxy
BENCH TOP TYPE	Epoxy
TYPE	Lab
HEIGHT	3'-3/4"
DEPTH	30"
WIDTH	196"
NUMBER OF DOORS	8
NUMBER OF SHELVES	4
NUMBER OF DRAWERS	5
CAPACITY LBS	300 Per Cabinet
WEIGHT LBS	1389
BRAND	Lab Design

Customers Who Viewed This Also Viewed



Lab Design Student Pod
 Bench 71" W X 71" D X

Not Yet Rated

\$4,534.00



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VWR® Balance Table

Supplier: VWR International

RELATED INFORMATION

[Product Literature](#)

- Rigid Construction
- Fast, Easy Assembly
- Chemical-Resistant Finish

Eliminate troublesome vibrations that affect the accuracy of your analytical or microbalances with a VWR Balance Table. This sturdy, engineer-designed table is virtually unshakable. The table's two rugged pedestal bases are hollow, so they can be filled with sand for even greater stability.

1

Table is composed of four separate heavy-duty structural elements: two sturdy pedestal bases with non-skid rubber feet, a rigid cross-brace, and a chemical-resistant top.

Ordering Information: Tables are shipped knocked down, but can be assembled in less than fifteen minutes.

Log in to see your contract pricing and availability.

E-mail Address: | [Register](#)
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Shipping Weight	VWR Catalog Number	Unit	Price	Quantity
77 kg (170 lbs.)	12567-330	Each	\$1,071.62	0

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SPECIFICATIONS

H x W x D	78.8 x 91.5 x 61 cm (31 x 36 x 24"), assembled
Weight	204 kg (450 lbs.), filled with sand

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Now In: Lab Equipment / Water Purification / Barnstead E-Pure Deionization System, 4-Cartridge

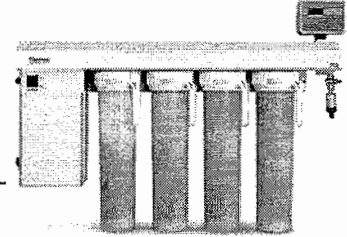
Barnstead E-Pure Deionization System, 4-Cartridge

E-mail this product to a friend

- Lowest operating cost of any system on the market
- Quarter-turn quick-release canisters allow easy cartridge replacement

Item: 30021
Weight: 96.0 lbs
Catalog Price: **\$4,169.95**

Quantity:



The E-PURE is an economical, easy-to-use, 4-cartridge system that provides you with up to 2 L/min of Type I reagent grade water. Wall-mounted design saves valuable bench space. A continuous recirculation pump maintains water purity and a digital resistivity meter informs you of the water quality coming out of the system. The dispensing nozzle includes a final 0.2 micron absolute filter to remove any bacteria or particulates that could alter your readings. Unit operates on 120 VAC. Alternate voltages are available. Contact USABlueBook for details. Cartridges and 0.2 micron final filter for E-PURE system are not included and must be ordered separately.

Shipping: Ships motor freight.

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Now In: Lab Equipment / Balances: Analytical / A&D GR-Series Analytical Balance, 42g/0.01mg

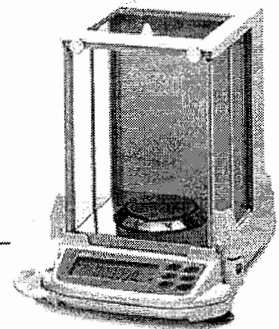
A&D GR-Series Analytical Balance, 42g/0.01mg

E-mail this product to a friend

- RS-232 communication and internal calibration is standard
- Percentage function is ideal for moisture loss applications
- Industry-leading 5-year warranty

Item: 13024
 Weight: 18.0 lbs
Catalog Price: \$4,409.95

Quantity:



[View larger image](#)

Catalog Page 538
 Performance Specifications
 Product Manual

The Gemini series of high-quality analytical balances are designed for applications requiring precise weighing such as solids analysis or making reagents and standards. Use the RS-232 bi-directional communication to send results to a printer or computer, or use the data memory function to store up to 200 measurements. All measurements have a time and date stamp for GLP compliance.

The percentage function is ideal for comparative weighing and moisture loss applications, which improves testing efficiency. One-touch internal calibration is fully automatic. The balance can even calibrate itself when sensing a change in ambient temperature.

Separate function keys are clearly labeled in English. The large display makes these analytical balances easy to read, and a displayed stability indicator illuminates when readings are stable. The die-cast aluminum alloy housing is very strong for long life and excellent durability. Double-spill protection protects the most vulnerable area of the balance (around and beneath the weighing pan).

The industry-leading 5-year warranty protects you from expensive balance repair costs. Order an optional static eliminator if your lab experiences dry air that results in statically-charged weighing paper.

Includes: standard WinCT software, AC power adapter and manual.

[Related Accessories](#) [Tech Specs](#) [Related Products](#) [Recently Viewed Products](#)



Replacement AC Power Adapter
 110/220VAC, A&D HR-Series
 Balances
 \$43.95



Static Eliminator for All
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Now In: Lab Equipment / Ovens & Accessories / Benchtop Muffle Furnace Thermolyne FD1535M

Benchtop Muffle Furnace Thermolyne FD1535M

E-mail this product to a friend

- Adjustable alarm for over-temperature protection
- Rugged construction
- Suitable for volatile solids determination

Item: 39911
 Weight: 92.0 lbs
Catalog Price: \$2,559.95

Quantity:



[View larger image](#)

Catalog Page 598
 Product Manual

Microprocessor-based controller features a single setpoint with ramp to temperature and dwell. Furnace operates from 100 to 1200°C and features a digital display that shows setpoint or actual temperature. Over-temperature relay can be used to protect the furnace from excessive heat.

Heavy-duty firebrick insulation surrounds chamber opening for added durability, and counter-weighted door swings upward, directing heat away from the operator.

Includes: operator's manual and hearth plate. 1-year warranty.

Note: Power cord not supplied; it must be hardwired by an electrician. Alternate voltages are available. Contact USABlueBook for details.

Shipping: Ships motor freight.

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Welch Piston-Style Vacuum Pump, 1.2 CFM

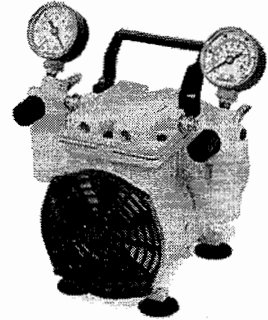
E-mail this product to a friend

- Wetted parts are treated for corrosion protection from moisture
- Use for filtration and aspiration applications
- Oil-free operation

Item: 39842
 Weight: 13.0 lbs
Catalog Price: \$684.95

①

Quantity:



[View larger image](#)

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 Performance Specifications
 Product Manual

Use these reliable piston-style vacuum/pressure pumps for filtration and aspiration applications including suspended solids and membrane filtration procedures. Oil-free operation and added accessories simplify use, lower noise level and extend service life. All wetted parts are treated for corrosion protection from moisture. Features 1/4" ID hose barbs.

Includes: two pressure/vacuum gauges, regulators, water trap, muffler, and 5-ft power cord with 3-prong plug for 115 VAC operation. Alternate voltages are available. Contact USABlueBook for details. 1-year warranty.

Note: If using with a 1-L filter flask (typically 3/8" barb), order two 3/8" hose barbs (stock # 39939). Also, be sure to follow proper start-up and shut-down procedures and use an additional moisture trap to prevent damage and prolong pump life.

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