



ESTIMATE

Pompano Beach, City of
50 Meter Automatic Pool Filter System

Order # 168571
Date 03/03/20
Consultant Troy Schaneman
WQA Mark Robinson
Fax #
Billing Terms Net 30

Proposed To

Kelly A Fernandez
City of Pompano Beach
Finance Department
P.O. Box 1300
Pompano Beach, FL 33061

Ship To

Pompano Beach Aquatic Center
Parks & Rec. Aquatic Center
820 NE 18th Ave
Pompano Beach, FL 33060

Phone: (954) 786-4128 Fax:

Courier Service
BEST WAY

Order Description

50 Meter Pool Filter Renovation
Existing Filters 410-T-3 123 Sq. Ft. Filter Area

Order Items

Line Item Code	Description	Quantity	Unit Price	Item Total
ES 42420-100-T	100 PSI Poltank 42" Top-Mount Horizontal Sand Filter, 42.0 Sq Ft 126 Sq. Ft. Total Filter Area 1905 GPM = 15.12 GPM/ Sq. Ft. Poltank Horizontal, Top-Mount, Hi-rate Sand Filtration System 42" diameter, 42.0 Sq Ft, 6.0" Flange Connections, 100 PSI Industrial Grade quick connect manway, Standard 16" bed depth Single Grade Permanent Media Filtration with self cleaning laterals 630 GPM @ 15 GPM/Sq Ft, includes gauge panel with tubing & connectors, 42" diam x 159.3" L, Requires 51.5 Cu Ft total media, optional multimedia package uses 10.5 Cu Ft underbed with 41.0 Cu Ft of alternate NSF approved filter media. Ship Weight 1,032 lbs, Operating Weight 12,127 lbs. 10-year Factory Warranty	3	17,623.11	52,869.33
ES 63XXX-1206-T-3	Piping Kit, Top Mount 3 Tank 12" INFL/EFFL.X 6" Top Piped 63" Tank Diameter, 3 Tank System with 12" Influent, Effluent, and Backwash Lines, Flanged Field connections & victaulic Internal Connections For use with EKO3 Diaphragm Valves	1	11,904.89	11,904.89
ET FP-009-01000	6" Backwash Valve Complete, Eko3 Backwash Valve, Single Diaphragm Hydraulic Direct Replacement for US Filter Diaphragm Valve *JF P8MC6 Tube Fitting is Not Included	3	1,528.05	4,584.15
ET FK-009-00400	Victaulic Clamp Set, 6" EKO Clamp Set Includes Gasket and Hardware	12	93.52	1,122.24





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ES 0584315SMD	CEPEX 12" Butterfly Valve	1	1,368.91	1,368.91
CEPEX 12" Butterfly Valve, EPDM Seals, Stainless Steel Shaft Electric Actuator and Flange Kit listed separately.				
ES 02380U	12 "Flange Kit	1	585.20	585.20
PVC Sch 80 for 12" Flange Kit				
ES 12EA575-KIT-1	Electric Actuator for 12" Butterfly Valve	1	4,075.58	4,075.58
Primary Valve Electric Actuator, 120V VAC 60Hz Requires 12" Valve and Flange Kit Listed Separately				
ES 02394SG-KIT	Backwash Sight Glass Valve, 6"	1	626.11	626.11
Sight Glass Valve Kit for 6" piping				
EG Pressure Amp System	Pressure Amplification System	1	1,340.46	1,340.46
Includes 1/2HP, 115-230 VAC, 1PH, 60Hz ODP Motor. 9.8/ 4.9 Amps Includes pre-charged 2.1 gallon water tank, pressure switch, Range 5-65psi, Assembled.				
EM T-Glass Media 42420	Activated Glass Multi-Media Package Poltank 42420 Filter	3	0.00	0.00
Custom CES Permanent Activated AFM Glass Filter Media package with bio-resistant underbase support media, and high polish glass filter media. Filters finer and uses up to 50% less water than standard media. Cover Laterals by 1-2" with DWGM 2.1, and load filter to proper levels with DWGM .45				
EM DWGM .45	AFM® Drinking Water Glass Grade #1 Media, .45 mm, 55-lb bag	153	27.85	4,261.05
Activated .45 mm, AFM® Grade #1 permanent glass filter media - used for fine filtration. High purity and bio resistant with electrostatic charge for better filtration using up to 50% less water. NSF 61, NSF 50 certified, 55-lb bags				





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EM DWGM 2.1	AFM® Drinking Water Glass Grade #3 Media Underbed, 2.1mm, 55-lb bag	87	27.85	2,422.95
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Activated 2.1 mm, AFM® Grade #3 permanent glass filter media - used as coarse underbed. High purity and bio resistant with electrostatic charge for better filtration using up to 50% less water.

NSF 61, NSF 50 certified, 55-lb bags

CK 1100308-2XX	BECSys7, Filter Interface, 3-Solenoids, Eko3	1	2,656.96	2,656.96
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BECSys7, Filter Interface, 3-Solenoids, Eko3
(4mm) Single-Filter System. Influent & Effluent gauges, differential pressure switch, and MRX-24 Control electronics. No pipe mount kit.

CB FSU	Factory Site Services, Training, and Warranty Administration	1	5,600.00	5,600.00
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Factory Site Service and Operator Training, includes installation support services during construction, warranty registration, training per CES Operator Training Checklist, technical support, and on-site warranty administration.

Factory start up updates most factory warranty start dates from date of manufacture or shipment, as typical, to date of start up.

Installation, Electric, Permits, and Permit Fees (if applicable) by others.

CB Contingency	Project Contingency Fund	1	3,600.00	3,600.00
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Estimated Contingency Fund to allow for interim manufacturer price increases and potential changes between original bid specifications and final equipment package. It is also used to cover specific items needed to provide proper operation, but not specified in the plans or electrical drawings and specifications.

Establishment of contingency is important as CES cannot be responsible for holding current pricing in the event of manufacturer's price increases (beyond 30 days of quote), nor can we provide (free of charge) any missing items not included in the above itemized estimate list.

SUB-LABOR	Family Pools	1	30,000.00	30,000.00
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Remove & Dispose of 3 existing filters and headers

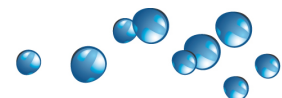
Install of 3 new filters, headers and media

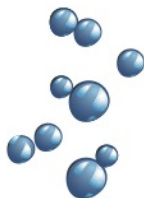
This includes connection of the new filters, valves and plumbing from the filter pad to the filters. Will adapt valves to existing plumbing as needed.

Additional Information

Additional electric, if required, is not performed by CES or included in this proposal.

Subtotal	127,017.83
Adjustment	0.00
Total	127,017.83





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Permits, if required, are not included in this proposal.

Freight is estimated.

Shipping	3,289.00
Tax	0.00
Grand Total	130,306.83
Payments	0.00

Signature

Date

We are pleased to submit the above quotation for your consideration.

1. This estimate is valid for 30 days from the above date after which the estimate may be subject to change.
 2. Freight charges are estimates only and the actual may be different at time of shipping.
 3. You may incur restocking fees if you choose to return any items included in this package to CES. Restocking fees vary per manufacturer.
 4. Any changes to this order must be made in writing to CES.
 5. Your signature above is considered your acceptance of this proposal and is subject to all terms and conditions of your credit arrangement with CES.
- THANK YOU!

