

# SeaEra QC Toilet

Series QC, Model 162 (manufactured after December 2021)

## INSTALLATION AND MAINTENANCE INSTRUCTIONS

**THE FOLLOWING ARE CAUTIONARY STATEMENTS THAT MUST BE READ AND FOLLOWED DURING BOTH INSTALLATION AND OPERATION.**

**WARNING:** *Raritan Engineering Company, Inc. recommends that a qualified person or electrician install this product. Equipment damage, injury to personnel or death could result from improper installation. Raritan Engineering Company, Inc. accepts no responsibility or liability for damage to equipment, injury or death to personnel that may result from improper installation or operation of this product.*



**WARNING: HAZARD OF SHOCK OR FIRE**

Always use recommended fuse, circuit breaker and wire size.



Motors used with this product are "Ignition Protected". They are not however, explosion-proof.

**DO NOT** run continuously for more than 30 seconds.

**WARNING: HAZARD OF FLOODING** - Always shut off seacock(s) before leaving the boat unattended.



Double clamp all below waterline hose fittings and check frequently for integrity.

### Description:

SeaEra toilet is available in 12V or 24V DC. Toilets are available in two sizes, standard or household and 3 models. Fresh Water Model utilizes pressurize onboard fresh water, while the Raw Water Pump Model utilizes a remote intake pump to supply raw (outside) water to the bowl. Sea/Fresh models can switch between fresh and raw water source.

Flush control options:

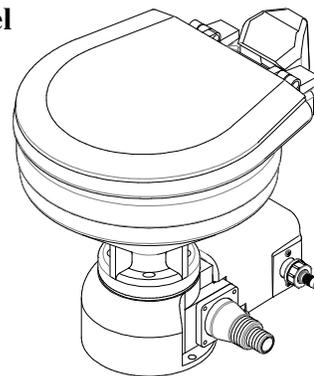
**Smart Toilet Control (STC):** Provides timed operation and independent control of water and discharge.

**Multifunction Flush Panel (221600 [White] or 221600B [Black]):** Provides momentary operation and independent momentary control of flush water and discharge.

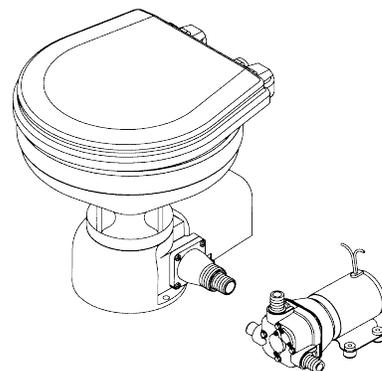
**Momentary Flush Switch (PRS):** Providing only the ability to flush with no independent control of water or discharge.

**Wireless Remote Bluetooth Control (STCBL):** Program your STC wirelessly up to 50 ft away from the toilet. Eliminates the need to route wires through bulkheads and cabinetry.

### Pressurized Fresh Water Model



### Remote Raw Water Pump Model



1-800-352-5630

www.raritaneng.com

**IMPORTANT SAFETY INSTRUCTIONS:****WARNING: HAZARD OF FLOODING**

Toilets mounted at or below the waterline must have a vented loop installed in the discharge line. The top of the vented loop must be a minimum of 4" (10cm) above the waterline at the boat's greatest angle of heel (see vented loop manufacturer's instructions).

Sea Water Models must also have a vented loop installed between the intake pump and the toilet bowl. Double clamp all below waterline connections.

**WARNING:**

Young children should NOT be left unsupervised around toilet. Serious injury or death could occur. A sharp blade is used for maceration of waste. Children can drown in water retained in the bowl. Seat and/or lid could close and strike child.

**Install the Warning Label (L322)  
where it can be easily seen.**

**Cleaning Instructions**

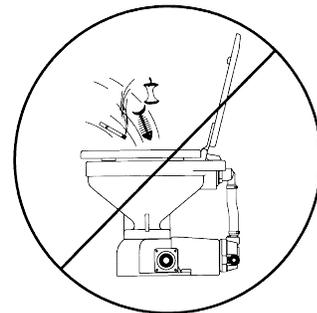
**IMPORTANT:** Do not use cleaners that contain ammonia, ethyl acetate, phosphoric acid or concentrated chlorine bleach. Do not allow acids, such as vinegar, and other cleaners to sit for extended periods of time in the toilet. These may cause damage to the toilet. Do not use abrasive cleaners or cleaning pads. Flushing fresh water through toilet when leaving for extended periods is recommended.

Using C.P. a bio-enzymatic toilet bowl cleaner (available from Raritan Engineering Part# 1PCP32) will keep the bowl clean and fresh smelling.

**Recommended Visual Inspection**

- ✓ No leaks at toilet and hose connections
- ✓ Hose clamps
- ✓ Condition of hoses
- ✓ Seacocks
- ✓ Condition of wires and connections
- ✓ In-Line Strainer (if installed)

- No special toilet paper is required.
- Water should appear in the bowl within ten seconds. If not, see troubleshooting section.
- Hard objects or stringy substances (paper towels, feminine hygiene products, cigarette filters, etc.) must not be thrown into the toilet as they will cause damage.
- Always shut off seacock(s) before leaving the boat unattended.



## SYSTEM START-UP

1. Open seacock(s).

**NOTE:** Pressurized fresh water models; open water source valve.

2. Turn on power to toilet.
3. Flush toilet per Operation Instructions included with flush control.
4. Check for leaks.

**IMPORTANT:** If toilet does not flush properly or if water does not enter the bowl within 10 seconds, refer to Troubleshooting.

## WINTERIZING

- Improper winter lay up is a major cause of marine toilet failure.
- Use only nontoxic antifreeze.
- Flush toilet several times to clear waste from system.
- Dispose of all antifreeze in accordance with local and federal regulations.
- Winterize holding tanks, plumbing, treatment systems (MSD's), etc. independently following manufacturer's instructions.

### Winterizing Pressurized Fresh Water Models

#### Parts Required

- 1" (25mm) or 1 1/2" (38mm) I.D. discharge hose, approximately 3 feet (1m) long
- Two buckets
- Nontoxic antifreeze approximately 1 quart (1 liter)

#### Steps

1. Close discharge seacock (if one exists).
2. Shut off intake water at source.
3. Turn off power to unit.
4. Disconnect and drain intake and discharge hose.
5. Disconnect intake hoses from toilet and place in one of the buckets.
6. Connect short hose to toilet's discharge and place in other bucket.
7. Pour antifreeze in bowl.
8. Turn on power to unit and flush until antifreeze is removed from the bowl and water is drained from the solenoid and hose.
9. Disconnect power to toilet.
10. Reconnect intake hoses to water solenoid.

### Winterizing Remote Raw Water Models

#### Parts Required

- 3/4" (19mm) I.D. intake hose approximately 3 feet (1m) long.
- 1" (25mm) or 1 1/2" (38mm) I.D. discharge hose approximately 3 feet (1m) long.
- Two buckets
- Nontoxic antifreeze approximately 1 quart (1 liter)

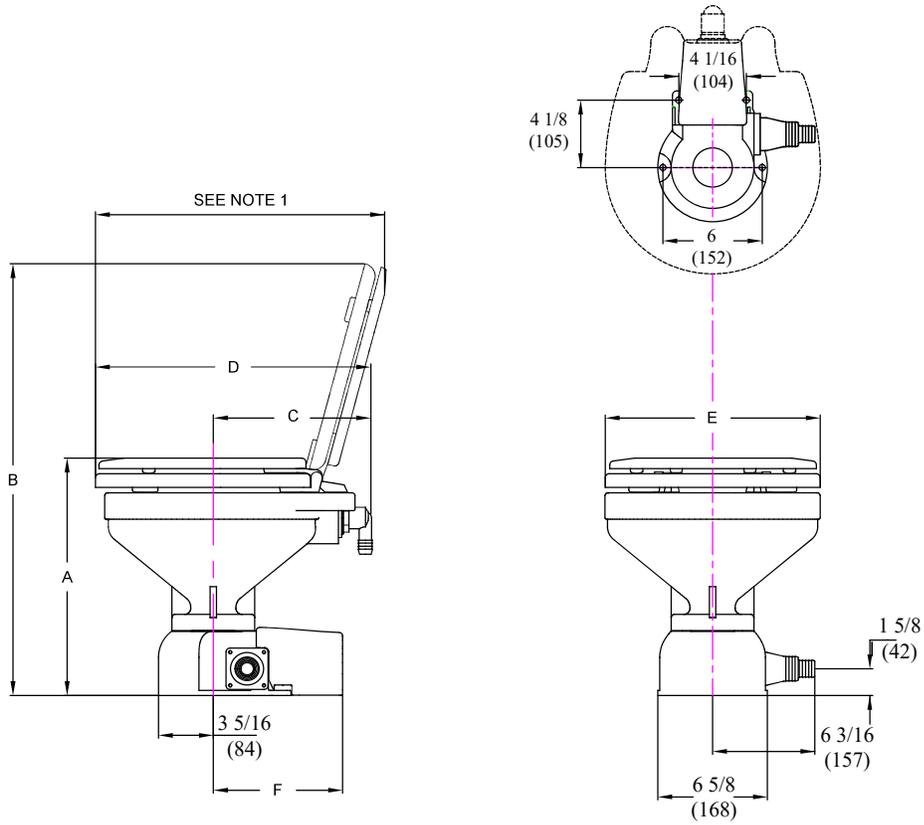
#### Steps

1. Close the intake and discharge seacocks.
2. Turn off power to unit.
3. Disconnect and drain pump intake hose and discharge hose.
4. Connect short hoses to toilet's pump intake and discharge.
5. Place one bucket under hose connected to toilet's discharge.
6. Pour nontoxic antifreeze in other bucket.
7. Place hose connected to intake pump into bucket with antifreeze.
8. Turn on power to unit and flush toilet until antifreeze begins to be discharged from toilet.
9. Disconnect power from toilet.

## RECOMMISSIONING

1. Using the buckets, hoses and approximately 1 gallon (3.8 liters) of clean fresh water, flush antifreeze out of the toilet (see Winterizing). Dispose of antifreeze in accordance with local and federal regulations.
2. Reconnect the intake and discharge hoses and open both seacocks and water source valve.
3. Check all connections for leaks with several test flushes.

## Pressurized Freshwater or Remote Raw Water Pump



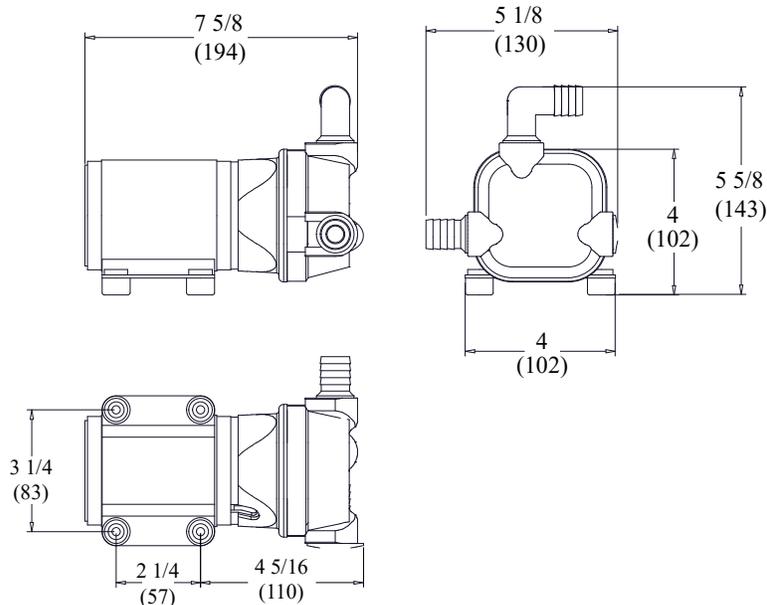
BOWL TYPE	A	B	C	D	E
MARINE	14 1/2 (368)	26 1/2 (673)	10 3/8 (264)	17 1/4 (438)	13 (330)
HOUSEHOLD	14 7/8 (378)	29 5/8 (752)	11 1/2 (292)	20 (508)	14 3/8 (365)

INTAKE	F
PRESSURIZED FRESH WATER	8 7/8 (225)
REMOTE PUMP	7 13/16 (199)

INCHES  
(MM)

**NOTE:**

1. THE SEAT WILL OPEN WITHIN THE DEPTH OF THE BOWL (D). HOWEVER, IT MAY BE DESIRABLE TO INCREASE THIS ANGLE BY ALLOWING MORE ROOM AT THE BACK OF THE BOWL FOR THE SEAT TO OPEN.
2. DIMENSIONS ARE FOR REFERENCE AS VITREOUS CHINA DIMENSIONS MAY VARY +/- 5%.



**Plumbing**

Maximum suction of Intake pump (Maximum height above waterline)	4 Ft. (1.2m) from Intake Pump.
Maximum height of discharge vented loop	6 Ft. (1.8m) from base of toilet.
Pressurized water source requirements	Minimum flow rate of 3.5 gpm (13.25 liters) at 10psi (70 K pa) shutoff pressure of 5 psi (34.5 kPa)

**NOTES: for Wiring**

1.	Distances are from source to unit and back to source.
2.	Distance from power source to remote intake pump MUST be included when determining total distance.
3.	Recommended conductor wire minimum AWG (mm <sup>2</sup> ) for 3% voltage drop.
4.	Recommended conductor sizes are based on 105°C rated insulation. Refer to ABYC Standards for other insulation ratings.
5.	For 120/240 VAC units use 12VDC specifications from transformer to unit.

**CONVERSIONS**

**Wire - AWG to mm<sup>2</sup>**

AWG	16	14	12	10	8	6	4	2
mm <sup>2</sup>	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0

**Feet to Meters**

Feet	10	15	20	25	30	40	50
Meter	3.1	4.6	6.1	7.6	9.2	12.2	15.2

**See Flush Control Instructions for wiring diagrams.**

Always replace circuit breaker and fuses with same rating.

Use Raritan parts to maintain ignition protection requirements.

**Recommended Wire and Circuit Breaker/Fuse Sizes**

**Raw Water Models (sizes based on both remote intake and discharge pumps amp added together)**

Units Voltage	Circuit Breaker/fuse size (amps)	Toilet Discharge Pump Amp draw	Remote Intake Pump Amp draw	10 feet	15 feet	20 feet	30 feet	40 feet	50 feet
12 VDC	25	13	10	10 AWG	8 AWG	6 AWG	6 AWG	4 AWG	4 AWG
24 VDC	15	7.5	5	16 AWG	14 AWG	12 AWG	10 AWG	10 AWG	8 AWG

**Pressurized Fresh Water Model**

Units Voltage	Circuit Breaker/fuse size (amps)	Amp. draw	10 feet	15 feet	20 feet	30 feet	40 feet	50 feet
12 VDC	25	13	12 AWG	10 AWG	10 AWG	8 AWG	6 AWG	6 AWG
24 VDC	15	7.5	16 AWG	16 AWG	14 AWG	12 AWG	10 AWG	10 AWG

**Remote Intake Pump Only (Raw Water and Sea/Fresh Models)**

Units Voltage	Circuit Breaker/fuse size (amps)	Amp. draw	10 feet	15 feet	20 feet	30 feet	40 feet	50 feet
12 VDC	15	10	14 AWG	12 AWG	10 AWG	10 AWG	8 AWG	6 AWG
24 VDC	10	5	16 AWG	16 AWG	16 AWG	16 AWG	14 AWG	12 AWG

## Parts Included (All Complete Toilets)

Toilet Bowl  
 Seat and Cover  
 Lower Base Assembly  
 Motor Cover  
 1 1/2 (38mm) 90° Discharge fitting  
 Adapter, 1" MPT x 1" hose  
 Flush Control

## Remote Raw Water Model

Intake Pump  
 3/4" (19mm) Hose Barb - straight fitting (2)  
 3/4" (19mm) Hose Barb - 90° fitting (2) Plug  
 Fitting

## Additional Parts Required

- Stainless Steel Mounting bolts or lag screws and washers
- Toilet: 5/16" (8mm) (4)
- Remote Intake Pump: 1/4" (6mm) (4)
- 1" (25mm) or 1 1/2" (38mm) I.D. discharge hose
- Reinforced intake hose, 3/4" (19mm) for raw water models or 1/2" (13mm) for Fresh Water Models
- Hose clamps (2 for each connection below waterline)
- Wire (See specification chart)
- Terminals
- Fuse/circuit breaker (See specification chart)
- Strainers are optional, but highly recommended:  
 Fresh Water part 190601  
 Raw Water part 163000

## 90° Rotation of Toilet Bowl

Toilet bowl can be rotated 90° on the base, for installing in confined locations (FIG 1).

**NOTE: Rotating bowl may require a longer length of hose.**

1. Determine which direction bowl is to be mounted.
2. Remove four vinyl caps at the base of toilet bowl.
3. Remove four nuts and shoulder washers.
4. Carefully remove toilet bowl from base.
5. Rotate toilet bowl to desired position.
6. Replace four shoulder washers, nuts and vinyl caps.

**NOTE: Tighten nuts carefully and evenly. DO NOT OVER TIGHTEN.**

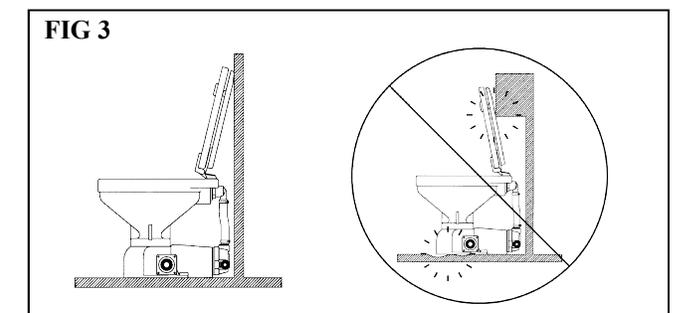
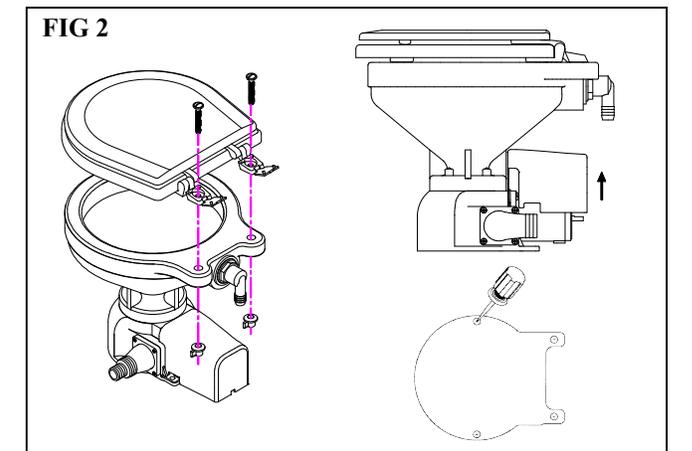
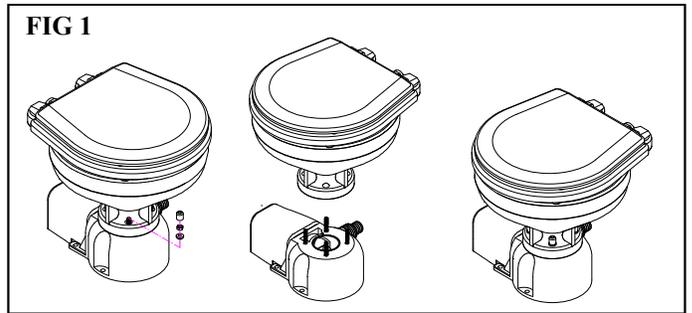
## Mounting Toilet

**Mounting surface must be flat and solid.**

1. Install seat on toilet (FIG 2).
2. Remove motor cover.
3. Place toilet where it will be located.  
**Make sure there is room to route hoses.**  
**Make sure seat will open properly (FIG 3).**
4. Mark location of toilet base mounting holes on mounting surface (FIG 2).
5. Drill holes for toilet mounting bolts/screws.

**NOTE: Hole size will depend on type of bolt/screws used (5/16" (8mm) size bolts/screws are recommended).**

6. Secure toilet to surface.



## PLUMBING

### WARNING: HAZARD OF FLOODING

Toilets mounted at or below the waterline, at greatest angle of heel, and connected to a Seacock/Thru Hull Fitting(s) **MUST** have **VENTED LOOPS** installed in toilet discharge plumbing and between raw water intake pump and toilet bowl.

Install vented loops per manufacturer's instructions. Double clamp all below-waterline connections.

### IMPORTANT:

If water retention in the bowl is desired, the addition of a vented loop may be needed in the discharge hose to prevent water draining out of the bowl. Call technical support for additional details.

### IMPORTANT:

- Discharging untreated sewage is forbidden in all U. S. waters within the three-mile limit.
- Fittings and 90° bends should be kept to a minimum.
- Thru-hull fittings and seacocks must be installed where they are easily accessible.
- Use only quality reinforced hoses.
- Secure all hoses properly.

### Discharge Fittings

#### NOTE: Do not cut/alter the straight fitting

The SeaEra QC has a straight discharge fitting installed. A 1 1/2" (38mm) 90° fitting is also provided. Also provided is a 1" (25mm) hose adapter for the 90° fitting. To change the discharge fitting (FIG 6):

1. Remove four screws securing fitting to base.
2. Remove flange adapter from the straight fitting and install it on the 90° fitting.
3. Install 90° fitting to base. Be certain the joker valve is properly in place.
4. If 1" (25mm) discharge hose will be used, install the 1" (25mm) hose adapter into the 90° fitting. Use non hardening thread sealant.

**IMPORTANT: Do not overtighten!**

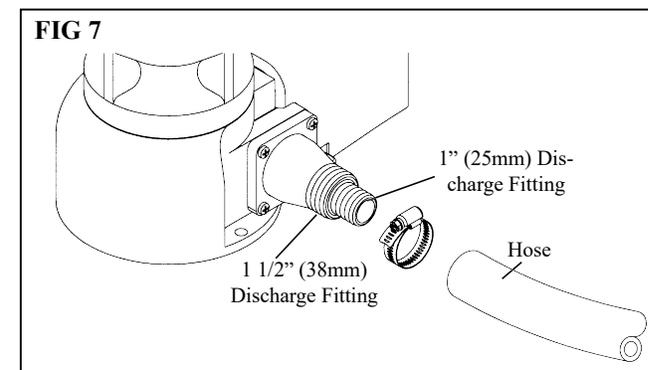
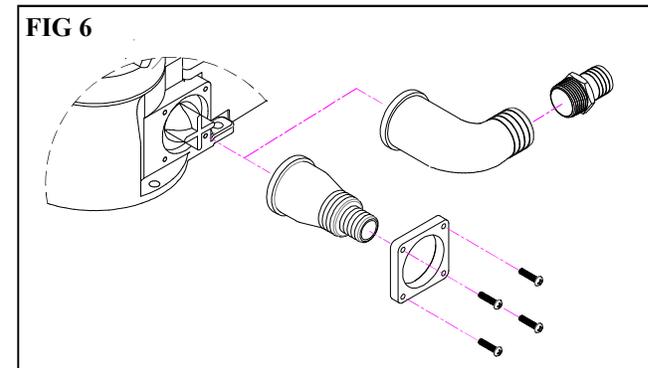
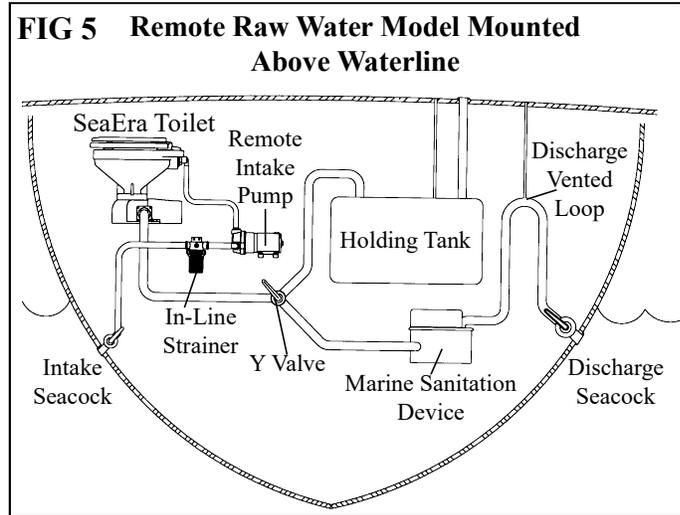
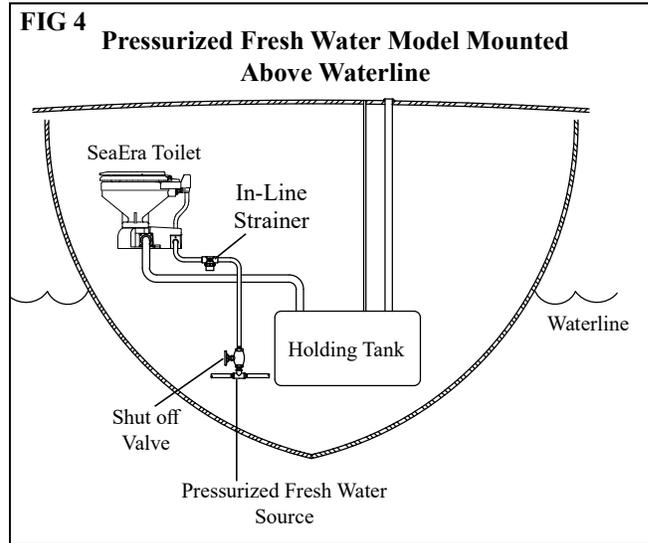
### Discharge Lines

**Raritan Sanitation Hose is recommended. Use part number SFH for 1 1/2" (38mm) hose or SFH1 for 1" (25mm) hose**

1. Connect sanitation hose to discharge fitting on toilet.

**NOTE:** Discharge fitting is designed for 1" (25mm) or 1 1/2" (38mm) hose. 1 1/2" (38mm) hose is secured at top of fitting and 1" (25mm) is secured at the bottom. It is not necessary to remove the 1" (25mm) barb if using 1 1/2" (38mm) hose. Use the fitting as is.

2. Run hose to appropriate device (e.g.: treatment system, holding tank, etc.).



## Intake Lines

### Pressurized Fresh Water Models

**NOTE:** To avoid malfunction of water solenoid due to debris in water, installation of Freshwater Strainer (190601) is recommended.

1. Install a shut off valve in intake line before water solenoid valve.
2. Connect hose from shut off valve to inlet port of water solenoid valve (FIG 8).

### Raw Water Models (FIG 9)

Intake pump fittings are interchangeable to allow more flexibility during installation. Inlet ports are located on either side of intake pump. Outlet port (to toilet bowl) is at top of intake pump (FIG 10).

**NOTE:** To avoid poor pump performance, installation of strainer (163000) is recommended.

1. Slide fitting clips to open position.
2. Select inlet port to be used.
3. Install appropriate fittings into inlet and outlet ports.

**NOTE:** The 90° fitting can be rotated 360°.

4. Install the plug fitting into unused inlet port.

**IMPORTANT:** Do not install plug fitting into outlet port! Damage to pump will occur!

5. Slide fitting clips back to closed position.
6. Connect hose from seacock to inlet port of optional In-Line Strainer if installed. Use hose clamp provided.
7. Connect hose from outlet port of In-Line Strainer to inlet port of intake pump.

**IMPORTANT:** Double clamp all below waterline hose connections!

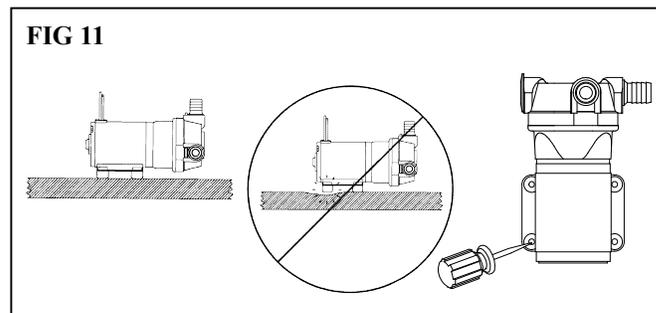
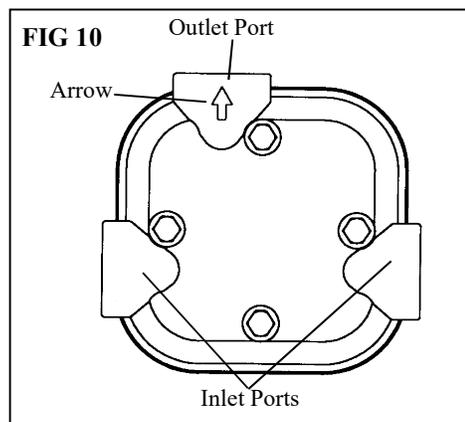
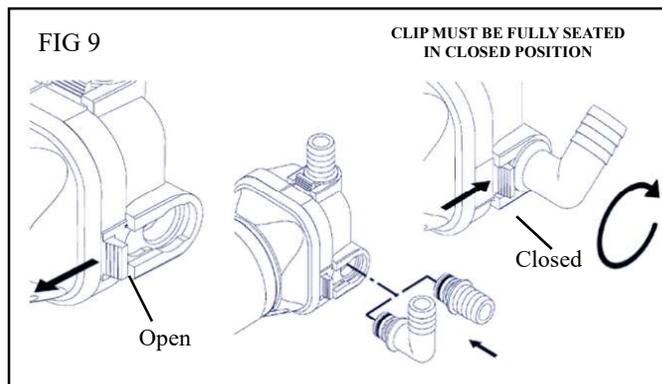
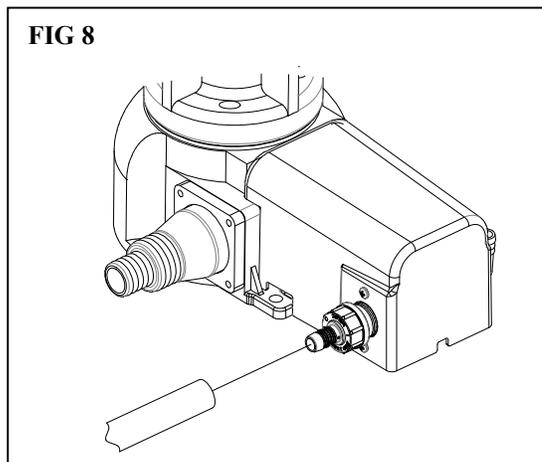
8. Connect hose from outlet port of intake pump to bowl elbow located on back of toilet bowl.

### Mounting Remote Intake Pump (FIG 11)

1. Locate remote pump between thru-hull fitting and toilet bowl.
2. Position it in an area away from the berth to minimize noise levels.
3. The Remote Intake Pump must be mounted on a flat, solid surface that is dry and well ventilated.
4. Using an Inline Strainer (optional) is recommended to prevent clogs.
5. Mark and drill the mounting holes.

**NOTE:** The hole size will depend on the type of bolts or screws used: 1/4" (6mm) recommended.

6. Mount the pump, ensuring the bolts are not over-tightened.



See **SYSTEM START-UP** instructions on page 3

## TROUBLESHOOTING

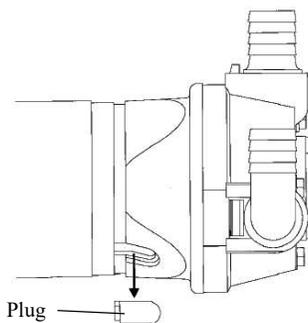
**WARNING:** **HAZARD OF ELECTRIC SHOCK** - Before beginning any work on the SeaEra, be sure that all power to the unit has been turned off.

**WARNING:** **HAZARD OF FLOODING** - Make sure seacocks are in the **CLOSED** or **OFF** position before working on toilet.

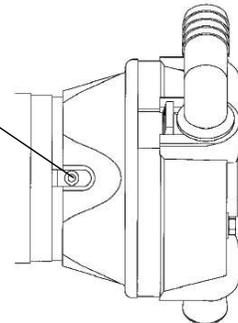
**NOTE:** The following information reflects the most probable causes and solutions to problems although not every possible cause and solution is provided. Any questions regarding servicing or operation of the SeaEra should be directed to our Technical Support Department in Millville, NJ. Please have model and serial number available before calling.

PROBLEM	POSSIBLE CAUSE	SOLUTION
1. Poor pumpout, especially solids.	1A. Clogged discharge line. 1B. Plumbing restrictions, bends and ells. 1C. Clogged vents. 1D. Mineral buildup in hoses and fittings. 1E. Low voltage.	1A. Be sure discharge seacock is open. Clear line, remove clog. 1B. Replumb to eliminate bends and ells. 1C. Clean holding tank vent and vented loop vents 1D. Clean or replace affected parts. Replace hose if needed. 1E. Check voltage at toilet <b>while toilet is running</b> . If less than nominal voltage of toilet (12, 24), check condition of batteries and wire sizes. Check terminals and wire connections for corrosion (heat at terminals and junctions indicates a bad or corroded connection).
2. Poor water flow, especially at front of bowl (or no water flow).	2A. Toilet not level. 2B. Restriction in intake line. 2C. Pump sucking air. 2D. Low voltage. 2E. Clogged strainer.	2A. Raise rear of toilet; check with level. 2B. Be sure seacock is open. Clear line-remove clog. 2C. Check all connections from intake thru-hull to intake pump to be sure no air leaks are present. 2D. See 1E, above. 2E. Remove or clear debris from strainer.
3. Foul odors from toilet area.	3A. "Marine life" lodged in rim of bowl. 3B. Permeated discharge hose. 3C. Sewage remaining in discharge line.	3A. Remove and flush bowl with pressure hose to remove all material. Install strainer or KO2 kit in intake line to avoid recurrence. 3B. Replace hose with Raritan sanitation hose (#SFH). 3C. Flush longer; replace hose if permeated; reroute hose making a shorter run or downward slope if possible.
4. Bowl fills while underway.	4A. Pressure buildup at seacocks.	4A. Close intake, then discharge seacock to determine which is causing problem. If discharge, be sure the vent or vented loop is clean. If intake, there is too much pressure on seacock; contact Raritan Technical Support.
5. Water leaking from under unit.	5A. Leaking bowl gasket. 5B. Leak at shaft seal. 5C. Leak from seal plate area.	5A. Tighten (4) bowl mounting nuts (#1226B). 5B. Check seal and motor shaft. 5C. Check seal plate o-ring.
6. Erratic operation/sluggish running.	6A. Worn motor brushes. 6B. Motor bearings damaged by seal leak. 6C. Low or inconsistent voltage.	6A. Return motor to factory for servicing or replacement. 6B. Return motor to factory for servicing or replacement. 6C. See 1E above.

### Tip for Removing Intake Pump



Set screw must be loosened with 5/32" (4mm) hex key before removing the intake pump from motor



# SeaEra QC Model 162 Parts List

**Item Part# Description**

- 1 1237W Marine-size Bowl
- 1 1244W Household-style Bowl
- 2 1236AW Bowl Spud Assembly
- 3 1236E Bowl Elbow (raw water model)
- 4 221361 Sealing Washer
- 5 1234 Bowl Gasket
- 6 VCAP White Vinyl Cap (4)
- 7 1226B 1/4-20 Hex Nut (4)
- 8 RNI Shoulder Washer (4)
- 9 CH38 1/4-20" x 2 Threaded stud (4)
- 10 161105AW Base (includes #16, #22 and #23)
- 11 C254 Joker Valve
- 12 161130 Discharge Fitting
- 13 1222D 90° Discharge Fitting
- 14 161125 Discharge Mounting Flange
- 15 F164 Discharge Mounting Flange Fastener (4)
- 16 161107A Seal Plate O-Ring
- 17 1108A Macerator Nut
- 18 M23A Macerator Lockwasher
- 19 53145 Macerator Blade
- 20 161120 Impeller/Macerator Housing
- 21 161115 Impeller
- 22 31-102 Shaft Seal
- 23 161110A Seal Plate
- 24 1610\* Discharge Motor
- 25 HW1 Mounting Screw Lockwasher (4)
- 26 F098 1/4 - 20 x 1" hex (4)
- 29 PLA34 Adapter: 1" MPT x 1" hose

**RAW WATER MODELS**

- 27 161135 Motor Cover
- 40 166012A Intake Pump Motor 12VDC
- 40 166024A Intake Pump Motor 24VDC
- 41 162000W Remote Intake Pump w/o Motor
- 42 162405 3/4" Hose Barb 90° Fitting (2)
- 43 162410 3/4" Hose Barb Straight (2)
- 44 162415 Plug Fitting
- 45 162420 Fitting Retaining Clip (3)
- 46 162425 O-ring (3)
- 47 F162VT Inlet Pump Mounting Bolt (4)
- 48 F144 #10 Washer SS Flat (4)
- 49 166000 Complete Remote Pump 12VDC
- 49 166100 Complete Remote Pump 24VDC

**INLINE STRAINERS (RECOMMENDED)**

- 51 190601 Inline Fresh Water Strainer (Optional)
- 61 163000 Inline Raw Water Strainer (Optional)

**FRESH WATER MODELS**

- 70 161145 Motor cover
- 71 221351 Water Solenoid 12 Volts
- 71 221352 Water Solenoid 24 Volts
- 72 PLH-50P Hose, white 1/2", 1 FT.
- 73 PLE90-50N Elbow, 1/2" 90 deg barbed
- 74 221366 Clips
- 75 161146 Grommet plate
- 76 F201 Screw M4 x 10mm
- 77 221357 Hose adapter straight
- 78 221356 Nut
- 80 168006 Vacuum break cover
- 81 221360 O-ring
- 82 25309 Nut 3/4" FNPT
- 83 221300 Vacuum breaker assy.
  
- 84 1238SC Slow Close Marine-size Seat and Cover
- 84 1245SC Slow Close Household-style Seat and Cover

**DISCHARGE ASSEMBLY**

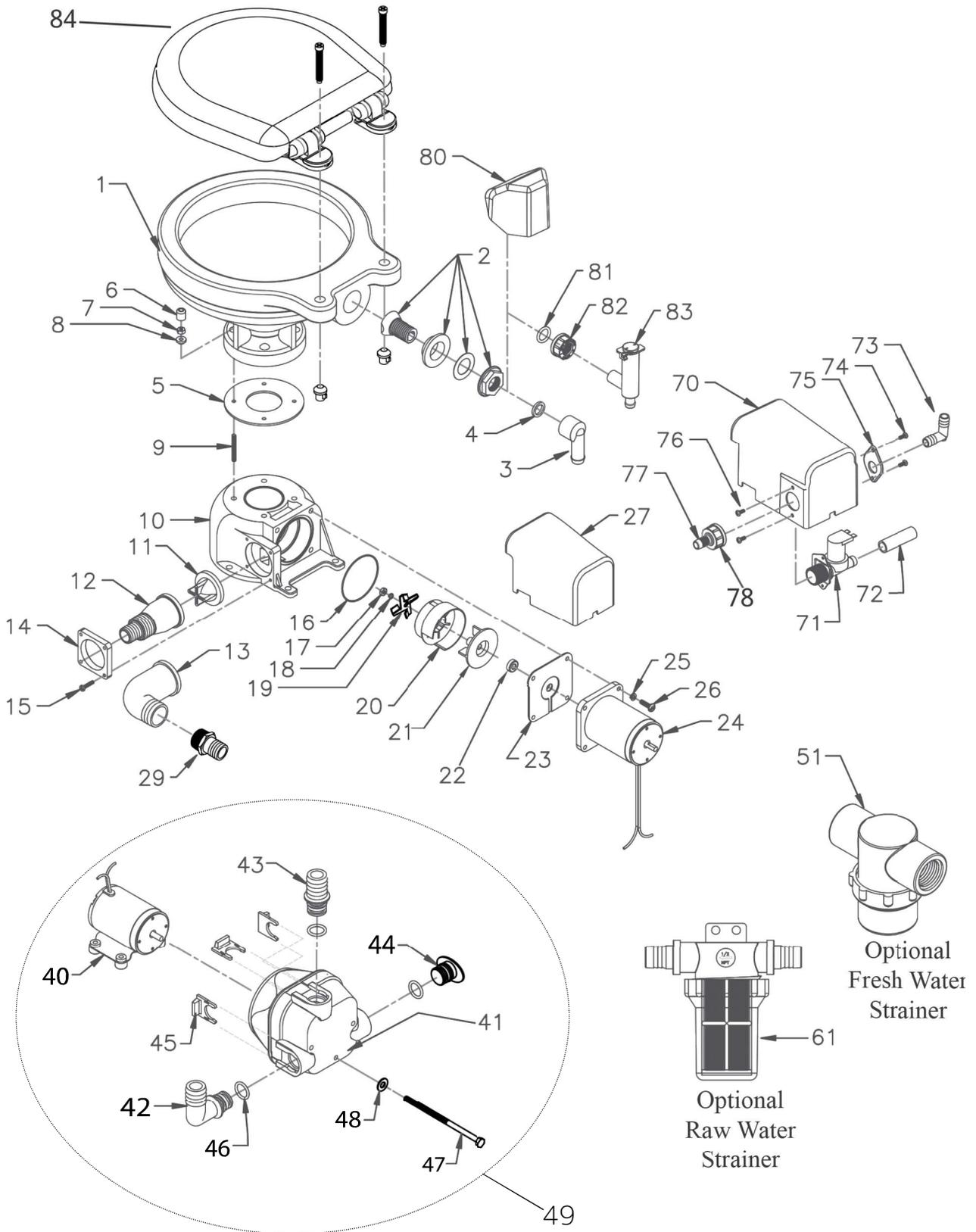
- 161000AW Base Assy w/o intake pump 12V  
(includes items 5 thru 11 and 16 thru 26)
- 161100AW Base Assy w/o intake pump 24V  
(includes items: 5 thru 11 and 16 thru 26)

**Repair Kits**

- DIAPUMPRK Diaphragm Pump Repair Kit
- SEADISRK SeaEra Discharge Repair Kit
  
- 162400 Fittings Kit for Diaphragm Pump  
(incudes items 42, 43, 44, 46)

\* Specify DC Voltage (12, 24)

# SeaEra QC Series Exploded Parts View



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## LIMITED WARRANTY

Raritan Engineering Company warrants to the original purchaser that this product is free of defects in materials or workmanship for a period of two years from the product's date of purchase. Should this product prove defective by reason of improper workmanship and/or materials within the warranty period, Raritan shall, at its sole option, repair or replace the product.

1. TO OBTAIN WARRANTY SERVICE, Consumer must deliver the product prepaid, together with a detailed description of the problem, to Raritan at 530 Orange St., Millville, N.J. 08332. When requesting warranty service, purchaser must present a sales slip or other document which establishes proof of purchase. THE RETURN OF THE OWNER REGISTRATION CARD IS NOT A CONDITION PRECEDENT OF WARRANTY COVERAGE. However, please complete and return the owner Registration Card so that Raritan can contact you should a question of safety arise which could affect you.
2. THIS WARRANTY DOES NOT COVER defects caused by modifications, alterations, repairs or service of this product by anyone other than Raritan; defects in materials or workmanship supplied by others in the process of installation of this product; defects caused by installation of this product other than in accordance with the manufacturer's recommended installation instructions or standard industry procedures; physical abuse to, or misuse of, this product. This warranty also does not cover damages to equipment caused by fire, flood, external water, excessive corrosion or Act of God.
3. ANY EXPRESS WARRANTY NOT PROVIDED HEREIN, AND ANY REMEDY FOR BREACH OF CONTRACT WHICH BUT FOR THIS PROVISION MIGHT ARISE BY IMPLICATION OR OPERATION OF LAW, IS HEREBY EXCLUDED AND DISCLAIMED. ALL IMPLIED WARRANTIES SUCH AS THOSE OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, IF APPLICABLE, AS WELL AS ANY IMPLIED WARRANTIES WHICH MIGHT ARISE BY IMPLICATION OF LAW, ARE EXPRESSLY LIMITED TO A TERM OF ONE YEAR. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG A LIMITED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.
4. UNDER NO CIRCUMSTANCES SHALL RARITAN BE LIABLE TO PURCHASER OR ANY OTHER PERSONS FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, OR OTHERWISE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.
5. No other person or entity is authorized to make any express warranty, promise or affirmation of fact or to assume any other liability on behalf of Raritan in connection with its products except as specifically set forth in this warranty.
6. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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Telephone: 856-825-4900  
FAX: 856-825-4409  
[www.raritaneng.com](http://www.raritaneng.com)

# Thank you for purchasing a Raritan SeaEra QC

Model and Serial#:

Please have this available if support is needed.

SCAN for  
Owners Manual



L365 0625

SCAN for  
Warranty Form



If you prefer a printed version of the Owners Materials:  
Email: [info@raritaneng.com](mailto:info@raritaneng.com)

Questions on installation?  
Email: [techsupport@raritaneng.com](mailto:techsupport@raritaneng.com)



## Do not return this product to store.

**PLEASE RETAIN FOR YOUR RECORDS**