

PHII

INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

THE FOLLOWING ARE CAUTIONARY STATEMENTS THAT MUST BE READ AND FOLLOWED DURING INSTALLATION, OPERATION AND MAINTENANCE

- WARNING:**  *Raritan Engineering Company, Inc. recommends that a qualified person or electrician in the case of P104E**, 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, or injury or death to personnel, that may result from improper installation or operation of this product.*
- WARNING:**  **Hazard of Flooding** - Any installation made below the waterline must have vented loops positioned properly and all hose connections should be double-clamped. Both intake and discharge seacocks should always be in the closed position when the toilet is not in use. Failure to do so may result in flooding, property damage and loss of life.
- WARNING:**  **DO NOT** install P104E** in an area requiring Ignition Protected Devices.
DO NOT operate P104E** series toilets with handle in place, serious bodily injury may occur.

The PHII is a manually operated double action piston toilet. The PHII can be converted to its electrical counterpart by adding an electrical conversion kit part P104E**

All models are compatible with our US Coast Guard Certified Type I flow-thru Marine Sanitation Devices (MSD), Raritan's Electroscan® and Purasan®.



** Specify voltage 12 or 24 VDC

OPERATION

WARNING: DO NOT adjust valve knob (1209BW) while toilet is operating.

1. With valve handle in the "FLUSH" position, pumping the handle (or pressing the button on electric units) will draw water in and discharge the bowl contents.
 2. With valve knob in the "DRY" position pumping the handle (or pressing the button) will only discharge the bowl contents while drawing air in through the air valve assembly to prevent a build-up of pressure.
- We recommend single ply toilet paper.
 - Water should appear in the bowl within ten seconds. If not, see troubleshooting section.
 - Do not flush hard stringy items (feminine products, paper towels, wet wipes, trash, etc.) because they may cause damage, see FIG 1.
 - Always shut off seacock(s) before leaving the boat unattended.

CLEANING

Raritan C.P. (1PCP32) - Cleans Potties is the only factory-recognized cleaning product that may be used in the toilet. Mild soap and water solution for all other components.

Raritan recommends:

- Kills Odor (K.O.) for holding tank treatment
- Cleans Potties (C.P.) for ceramic bowl cleaning
- Mild soap and water solution to clean all other components

Recommend Visual Inspection

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

Valve knob must be *fully* in the "FLUSH" or "DRY" position only.



Position for intake of water and discharge of bowl contents



Position for discharge of bowl contents only (no water coming in)

FIG 1

FLUSH GUIDELINES

DO Flush
Human Waste and Toilet Paper

DO NOT Flush
Feminine Products, Paper Towels, Wet Wipes or Trash

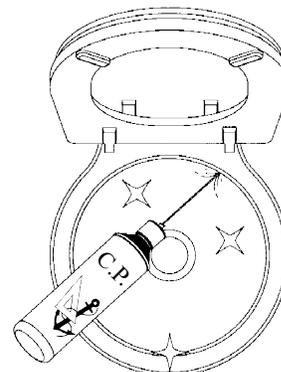
Raritan recommends:

- Kills Odor (K.O.) for holding tank treatment
- Cleans Potties (C.P.) for ceramic bowl cleaning
- Mild soap and water solution to clean all other components

DO NOT: use general purpose cleaners or other harsh chemicals. Damage to toilet may occur and void warranty.


The Most Dependable Parts on the Water
866-426-4800
www.raritaneng.com

L110 1225J



MAINTENANCE

Super Lube® (SL1CC) applied to the piston rod will prolong the life of the Piston Shaft Seal. This should be done every spring and fall or more regularly if the head is used frequently. Applying Super Lube to all moving parts is also recommended.

Installation (optional) of a Knocks Out Odor Kit (KO2) will reduce the "rotten egg" smell associated with using salt or brackish water to flush the toilet.

Before attempting repairs, refer to the Troubleshooting section of this manual.

WINTERIZING

Improper winter lay up is a major cause of marine toilet failures.

Parts Required

- 3/4" [19 mm] I.D. intake hose approximately 3 feet [91 cm] long.
 - 1 1/2" [38 mm] I.D. discharge hose approximately 3 feet [91 cm] long.
 - Two buckets
 - Nontoxic antifreeze approximately 1 quart
1. Close the intake and discharge seacock. Disconnect and drain the intake and discharge hoses.
 2. Connect short hoses to toilet's intake and discharge.
 3. Place one bucket under short hose on discharge.
 4. Pour nontoxic antifreeze in other bucket.
 5. Place hose connected to intake into bucket with antifreeze.
 6. Flush toilet until antifreeze begins to be discharged from toilet.
 7. Antifreeze should remain in the toilet until recommissioning. This will protect both intake and discharge sides of the pump. Pouring antifreeze into the bowl will only protect the discharge.

NOTE: Holding tanks, seacocks and treatment systems need to be independently winterized, stored and recommissioned (see manufacturer's instructions).

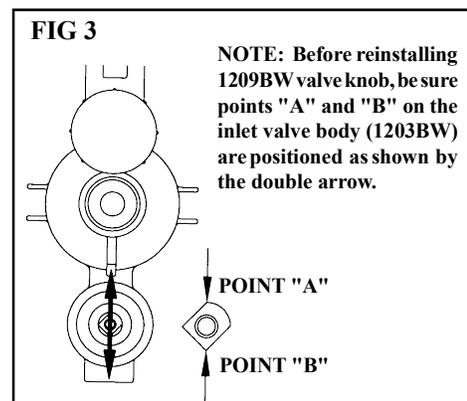
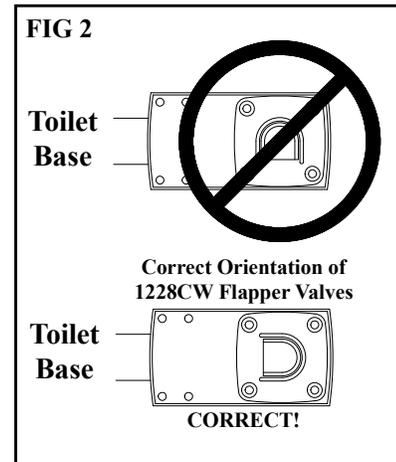
RECOMMISSIONING

1. Lubricate piston rod with Super Lube®.
2. Using the buckets, hoses and 1 gallon [3.8 liters] of clean water, flush the antifreeze out of the toilet. Dispose of antifreeze properly, in accordance with local and federal regulations.
3. Reconnect the hoses and open both seacocks.
4. Check all connections for leaks with several test flushes.

INSTALLATION OF REPLACEMENT PARTS

Overhaul kits and individual parts for your toilet may be ordered through your dealer or direct from the factory.

1. Refer to FIG 2 when replacing part #1228CW.
2. If valve body (1203BW) is removed it must be positioned as in FIG 3 for proper operation.



Additional Parts Required

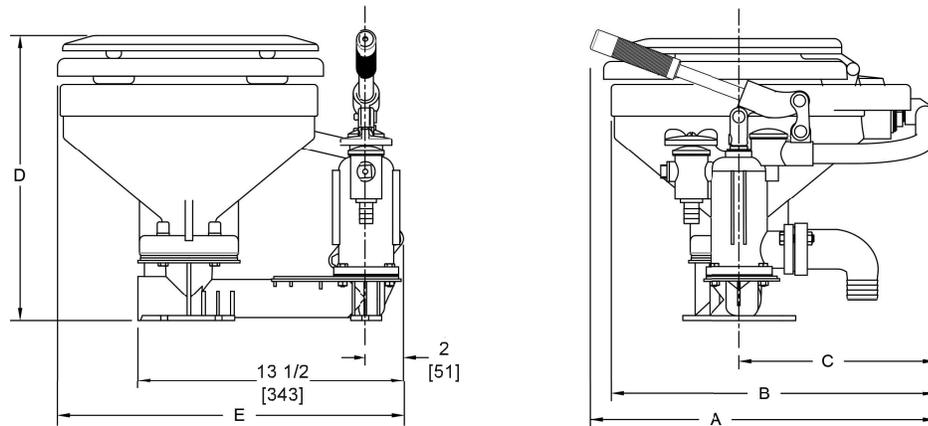
- Four stainless steel mounting bolts or lag screws (minimum 1/4" [6 mm]) and washers
- 1 1/2" [38 mm] I.D. discharge hose
- 3/4" [19 mm] I.D. reinforced intake hose
- Hose clamps (two for each connection below waterline)

Mounting Toilet

Mounting surface must be flat and solid.

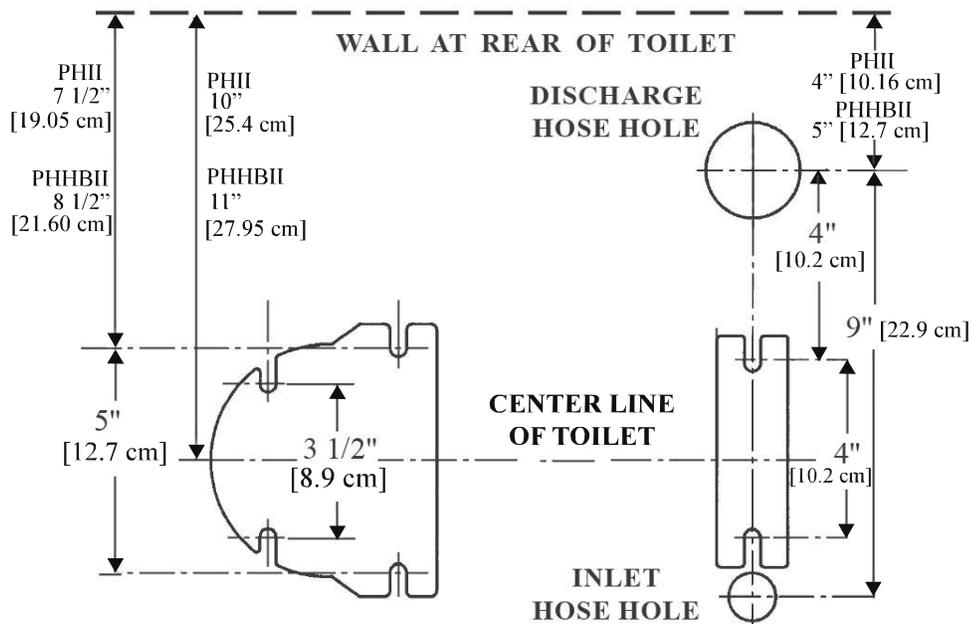
1. Install seat on toilet.
2. Place toilet where it will be located.
Make sure there is room to route hoses.
Make sure seat will open properly.
3. Mark location of toilet base mounting holes on mounting surface.
4. Drill holes for toilet mounting bolts/screws.
5. Secure toilet to surface.

RARITAN PHII MARINE TOILET FRONT VIEW, SIDE VIEW AND FOOTPRINT



| BOWL TYPE | A | B | C | D | E |
|-----------|--------------|----------|--------------|--------------|--------------|
| MARINE | 17 3/8 [442] | 17 [432] | 10 [254] | 14 1/4 [362] | 18 [458] |
| HOUSEHOLD | N/A [SEE B] | 20 [508] | 11 1/2 [292] | 14 1/2 [362] | 18 1/4 [464] |

inch
[mm]



PLUMBING

WARNING: HAZARD OF FLOODING

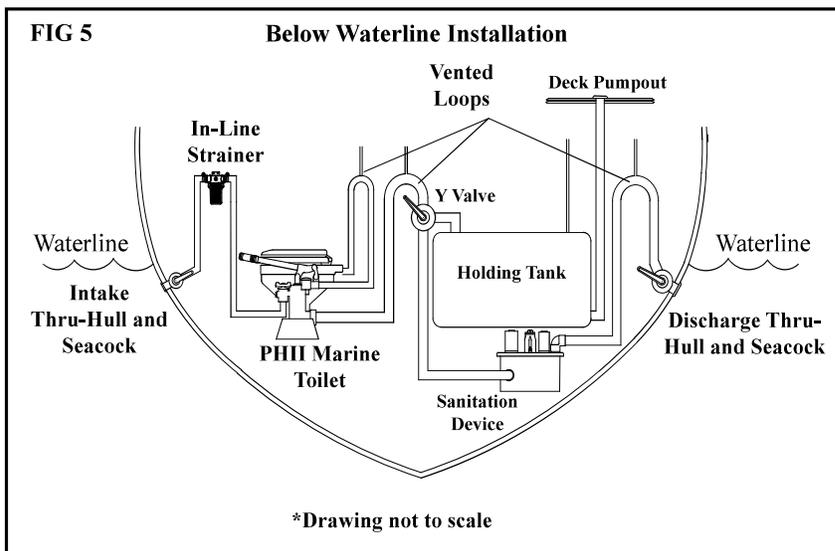
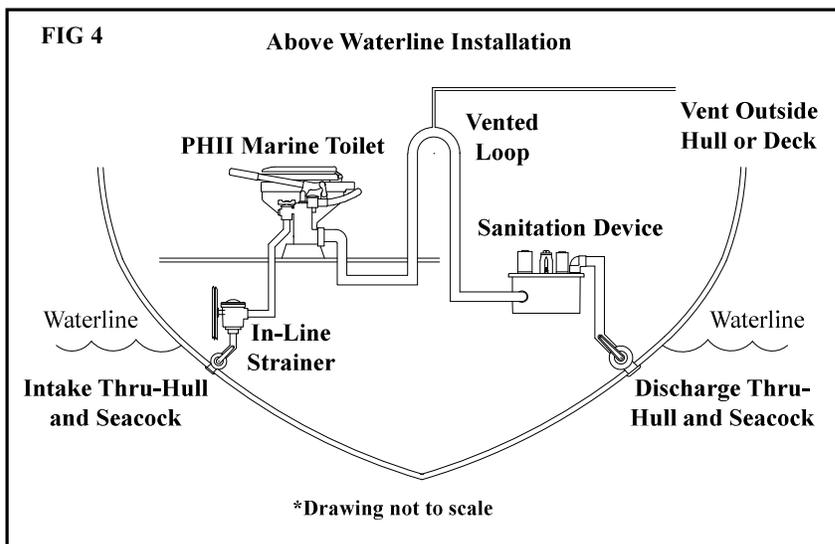
Toilets mounted at or below the waterline, at greatest angle of heel, and connected to a Seacock/Thru Hull Fitting(s) MUST have VENTED LOOPS installed in toilet discharge plumbing and between raw water intake pump and toilet bowl.

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

IMPORTANT

- Fittings and 90° bends should be kept to a minimum.
- In-Line Strainer (Raritan part 163000) may be installed. This will help prevent clogs.
- Discharging untreated sewage is forbidden in all U. S. waters within the three-mile limit.
- Thru-hull fittings and seacocks must be installed where they are easily accessible.
- Use only quality reinforced hoses such as Raritan Saniflex (SFH)
- Secure all hoses properly.

1. Route discharge hose above discharge outlet with a vented loop. This will enable the toilet to discharge more efficiently and will help to prevent backflow.
2. An In-Line Strainer (163000) is recommended. This will help minimize odors and help prevent clogging.
3. Intake and discharge thru-hull fittings should be located far enough apart to prevent discharge water from being drawn through the intake.
4. The optional Raritan Knocks Out Odors Kit (KO2) enables the use of Cleans Potties (1PCP32). Raritan Cleans Potties deodorizes the bowl and lubricates internal parts.
5. Flush and check for leaks.



PARTS FOR RARITAN PHII MARINE TOILET

| <u>Part #</u> | <u>Description</u> |
|---------------|---|
| 3 1248W | Base Assembly (includes #6 & 7) |
| 6 F081 | Bowl Bolt 1/4-20 x 2" S/S Hex Head |
| 7 1234 | Bowl Gasket |
| 10 1226B | Nut, 1/4-20 S/S (4) |
| 12 1208W | Retractable handle |
| 13 1236E | Bowl Elbow |
| 14 CH43P | Hose Clamp (2) |
| 15 CH42 | Hose (3/4" I.D.) |
| 17 221361 | Sealing Washer |
| 19 F098 | 1/4-20 x 1" |
| 20 1200CW | Pump Housing (includes #21) |
| 21 1214W | Piston Shaft Seal Cartridge Assembly (includes #22, 23 & 24) |
| 22 1214 | Seal Cartridge |
| 23 1214A | Cartridge Shaft seal |
| 24 1214B | Cartridge O-ring |
| 25 1203BW | Intake Valve Body w/"O" Rings, (includes #26, 27 & 28) |
| 26 1203B1 | Inlet Valve Stem "O" Ring (small black) |
| 27 1203B2 | Inlet Valve Body "O" Ring (medium black) |
| 28 1203B3 | Inlet Valve Bottom "O" Ring (large black) |
| 29 1204B | Intake Valve Cap |
| 30 1202 | Intake and Discharge Valve Gasket (2) |
| 31 1209BW | Valve Handle |
| 32 1124 | 1/4-20 x 1/2" R.H. Machine Screw |
| 33 1217 | Discharge Valve Cap |
| 34 LWS | Intake and Discharge Valve Spring (2) |
| 35 1201 | Intake and Discharge Valve Ball (2) |
| 36 1212W | Piston Rod Assembly w/ "O" Ring (includes #37) |
| 37 1232MS | Piston "O" Ring |
| 38 1203W | Air Valve Assembly (includes #52) |
| 39 1228CW | Flapper valve with embedded weight |
| 40 C253 | Joker Valve |
| 41 1222AW | 90° Discharge w/Flange (Standard) |
| 42 1222B | Straight Discharge (Option) |
| 43 1115 | 3/8-16 x 1 1/2" Hex Head S/S Bolt (2) |
| 44 1223B | Flange Nut 3/8-16 S/S (2) |
| 45 1210 | Handle Socket (includes #51) |
| 46 1211PL | Piston Rod Yoke (includes #47) |
| 47 F005 | 1/4- 20 x 5/16" S/S set screw |
| 48 1218 | Fulcrum Link (2) |
| 49 1216 | Clevis Pin (3) |
| 50 1210B | Cotter Pin, Rue Ring |
| 51 1210A | Cotter Pin |
| 52 1203K | Air Vent Gasket |

BOWL & SEAT

| <u>Part #</u> | <u>Description</u> |
|---------------|--|
| 1 1237W | Marine-size Bowl Assembly (includes #16) |
| 1 1244W | White Household-size Bowl Assembly (includes #16) |
| 2 1238SC | Marine-size Seat & Cover; Slow Close |
| 2 1245SC | Household-size Seat & Cover; Slow Close |
| 9 RNI | Nylon Shoulder Washer |
| 10 1226B | Nut, 1/4-20 S/S (4) |
| 11 VCAP | Vinyl Cap |
| 16 1236AW | Spud Assembly |

OVERHAUL KITS

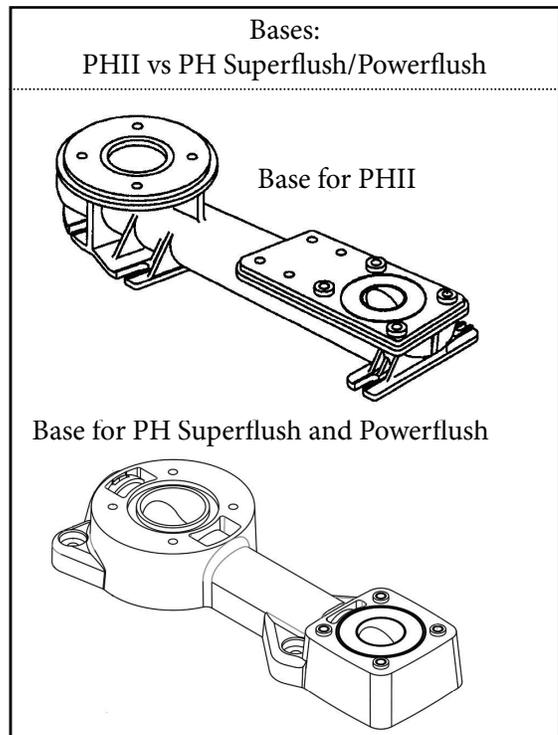
| <u>Part No.</u> | <u>Description</u> |
|-----------------|--------------------------------|
| PHRKIIU | Universal Repair Kit |
| PHIIPUMP | PHII Pump Replacement Assembly |

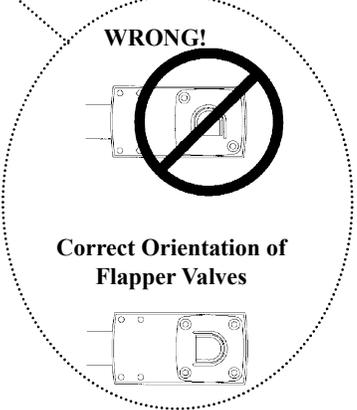
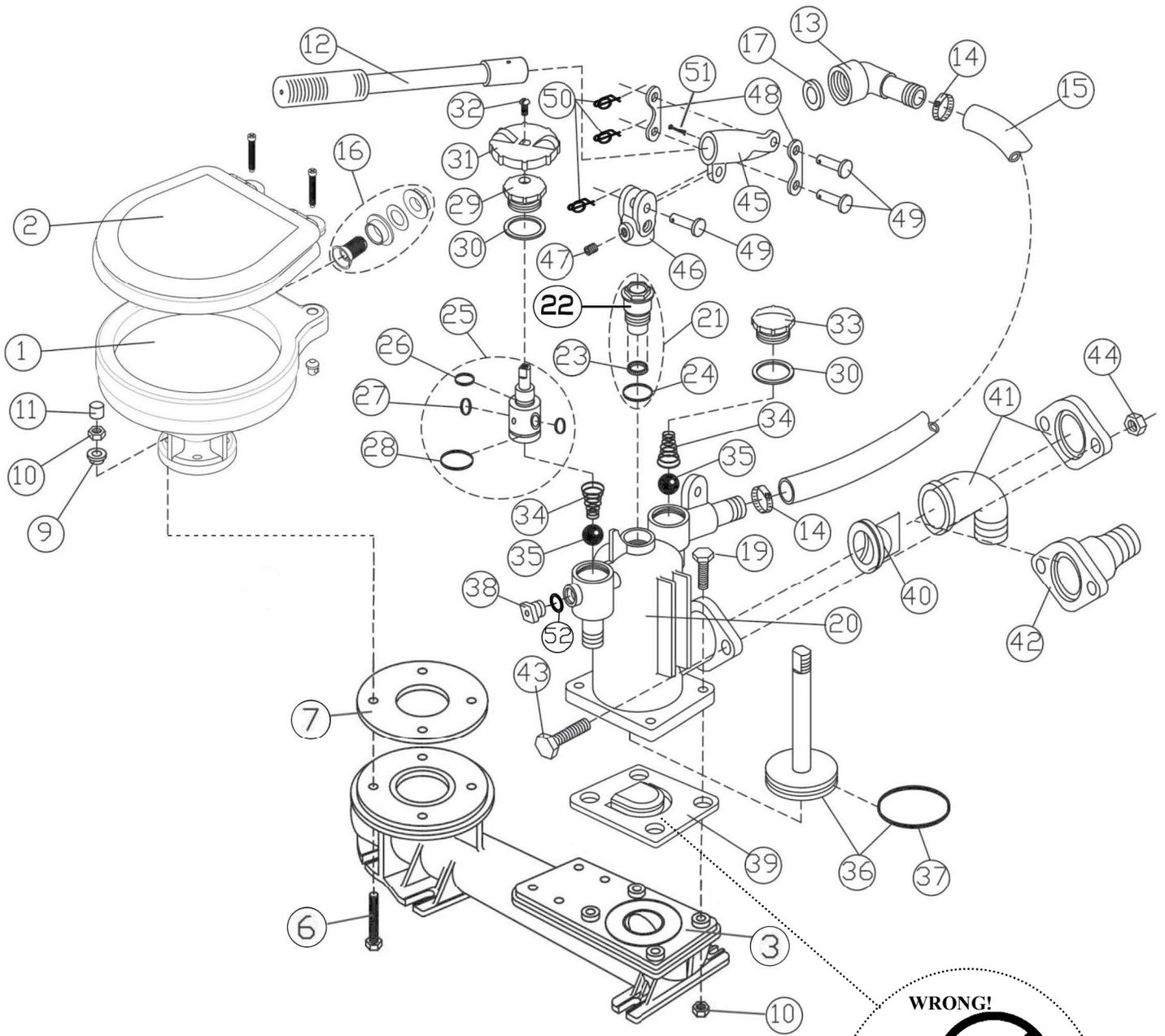
ELECTRIC CONVERSION KIT

| | |
|---------|----------|
| P104E12 | 12 VOLTS |
| P104E24 | 24 VOLTS |

RARITAN INSTALLATION ACCESSORIES

| <u>Part No.</u> | <u>Description</u> |
|-----------------|---|
| 163000 | In-Line Strainer |
| 1PCP32 | C.P., Cleans Potties, Bio-enzymatic, 32 oz. |
| SFH | Sani-Flex Hose 1 1/2" |
| SFH1 | Sani-Flex Hose 1" |
| SL1CC | Super Lube 1cc tube |
| KO2 | Knocks Out Odor Kit |





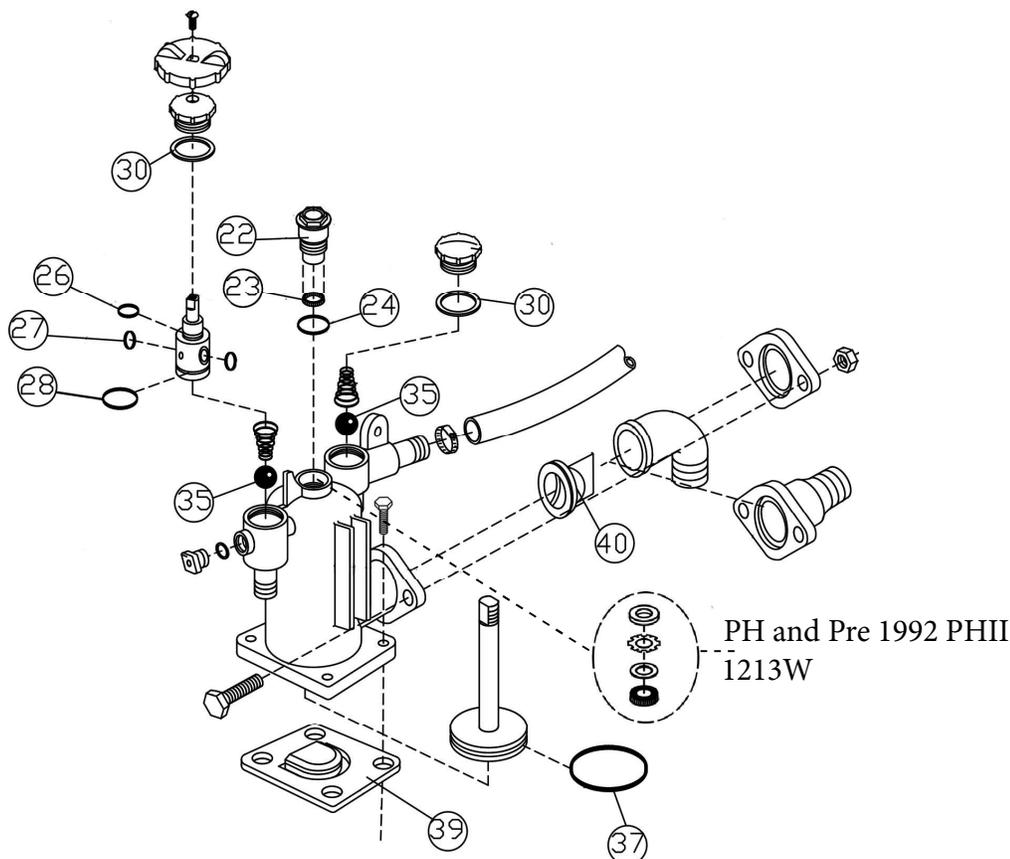
UNIVERSAL PH AND PHII REPAIR KIT

PHRKIU OVERHAUL KIT CONTENTS

| Qty. | Part # | Description |
|------|----------|---|
| 35 | 2 1201 | Inlet & Outlet Valve Ball (ALL) |
| 30 | 2 1202 | Inlet & Outlet Valve Cap Gasket (white) (ALL) |
| 26 | 1 1203B1 | Inlet Valve Stem "O" Ring (small black)(ALL Excluding Original PH) |
| 27 | 2 1203B2 | Inlet Valve Body "O" Ring (medium black) (ALL Excluding Original PH) |
| 28 | 1 1203B3 | Inlet Valve Bottom "O" Ring (large black) (ALL Excluding Original PH) |
| 22 | 1 1214 | Seal Cartridge (Post 1992 PHII and PH Superflush/Powerflush) |
| 23 | 1 1214A | Piston Shaft Seal (install with flat side up) (Post 1992 PHII and PH Superflush/Powerflush) |
| 24 | 1 1214B | "O" Ring (large black thin cross section) (Post 1992 PHII and PH Superflush/Powerflush) |
| | 4 1226C | Housing Spacer Washer (not necessary if 1248W base) (older PH/PHII) |
| 39 | 1 1228CW | Flapper Valve Assembly (See Correct Orientation) (ALL) |
| 37 | 1 1232MS | Piston "O" Ring (ALL) |
| | 1 1234 | Bowl Gasket (white rubber) |
| 5 | 1 25103 | Base O-Ring (PH Superflush/Powerflush ONLY) |
| 6 | 4 25104 | Base Mounting Plug (PH Superflush/Powerflush ONLY) |
| 7 | 1 25105 | Bowl Gasket (black O-Ring) (PH Superflush/Powerflush ONLY) |
| 40 | 1 C253 | Joker Valve (duckbill faces away from toilet) (ALL) |
| | 4 RNI | Nylon Shoulder Washer |
| | 3 SL1CC | Super Lube 1CC packet (ALL) |

1213W Includes:

| | | |
|---|-------|---|
| 1 | 1213A | U-Cup Seal (PH and Pre 1992 PHII) |
| 1 | 1213B | Acetal Washer (stiff plastic) (PH and Pre 1992 PHII) |
| 1 | 1213C | Snap Ring (curved side down) (PH and Pre 1992 PHII) |
| 1 | 1213D | White rubber washer (slides loose on piston) (PH and Pre 1992 PHII) |



SCAN for
Instructional Video



Inlet Valve/ Handle Maintenance and Repair

Tools you will need:

Channel type pliers.

Gaining Access to the Inlet Valve

To clean out debris or dismantle the valve it is necessary to access the inlet valve spring (LWS) and ball (1201).

It is only necessary to unscrew the inlet valve cap (1204B) approximately 5 revolutions with channel type pliers.

Note: It is not necessary to remove or loosen any other part.

Then by grasping the 1209BW knob and gently lifting upwards, the entire assembly (down to part 1203BW) can be removed.

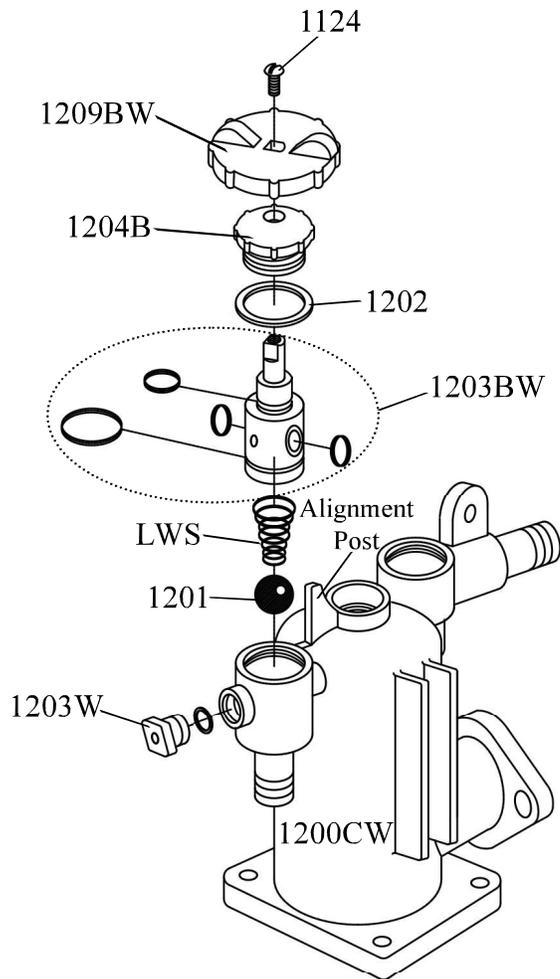
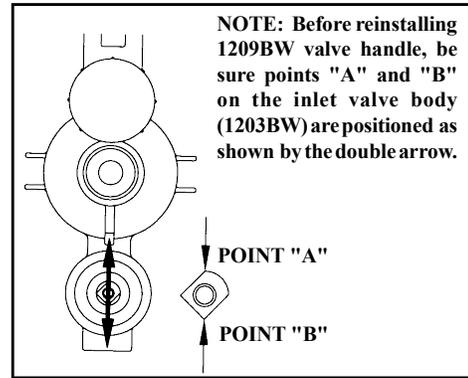
Clean debris, dirt, and "old" grease from this area.

Replace gasket (1202) if necessary and apply a small amount of Super Lube (SL1CC) to the O-ring area of the 1203BW.

Reassemble in the reverse order making sure that the alignment post of the 1200CW housing protrudes **between** the two limiting stops in the underside of the 1209BW. This allows for the proper position of the inlet valve.

If installed properly this creates a maximum of a 1/4 turn from "Dry" to "Flush" **not** 3/4 turn.

Note: Do not overtighten inlet valve cap (1204B) as gasket (1202) will displace.



Water not being drawn in

- **Check Ball Stuck**
Shutoff seacock and remove intake hose
Using an eraser end of pencil be sure check ball is moving freely
- **Debris lodged in intake valve body**
Check and clean valve body
- **Piston O-ring worn**
Replace Piston O-ring
- **Inlet valve in wrong position**
Inlet valve should only rotate 1/4 turn

Leak around piston shaft

- **Cartridge seal worn**
Replace cartridge seal
Inspect and replace piston shaft if scored

Odor comes from head area when flushed

- **Marine vegetation lodged in bowl**
Remove bowl and attach pressure water at spud Assembly. Install strainer in intake line
- **Intake water is foul (most common in salt and brackish)**
Install Knocks Out Odors Kit (KO2) to help deodorize intake water
- **Back pressure from holding tank**
Tank full or vent clogged, inspect and clean
- **Permeated discharge hose**
Rub with warm damp rag if smell transfers to rag replace hose

Water accumulates in the bowl too fast

- **Flapper valve not seated properly**
Close intake valve and pump dry - clean or replace flapper valve as necessary
- **Joker valve not closing or opening properly**
Clog or restriction in discharge line
Close intake valve and pump dry - clean or replace joker valve as necessary

Not enough water to rinse bowl

- **Intake valve positioned improperly**
Be sure inlet knob only turns 1/4 see fig. #3
- **Debris around intake or discharge check balls**
Remove check balls, clean and replace as necessary
- **Scored pump housing or worn piston "O" ring**
Inspect inside of housing replace "O" ring and housing as necessary
- **Intake line or strainer clogged**
Clean line and strainer
- **Restriction in discharge system**
Clog in vent on holding tank.
Inspect hoses for clog.

Water rises in bowl

- **Vented loop(s) not breaking siphon**
Close discharge seacock, then intake seacock to determine which is causing the problem. Clean or replace vented loop(s) parts.
- **Joker valve worn**
Inspect, clean or replace as needed

Electric motor labors or manually hard to pump

- **Low voltage at motor while running**
Check condition of batteries, terminals and wire connections for corrosion. Check gauge of wire to be sure it is not undersized.
- **Holding tank vent clogged or tank full**
Clean holding tank vent or empty tank
- **Discharge line obstructed**
Test by putting a short piece of hose on discharge fitting and pump into bucket if OK then - Check thru-hull fitting and hose for clog
- **MSD Clogged**
Test as above if OK - then see the MSD instruction manual
- **Discharge seacock closed**
Open discharge seacock

Units requiring extensive repairs may be returned to the Millville, NJ office for overhaul. Instructions, including name, address and phone number MUST accompany returned units to ensure proper handling.

See additional FAQ's at:
www.raritaneng.com/tech-support/faq

CONVERTING PHII TO ELECTRIC OPERATION

ORDER PART NUMBER P104E**

P104E** Units Require

- Wire
- Terminals
- Fuse/circuit breaker

SPECIFICATIONS

Electrical

| | | |
|----------------------------------|-----|-----|
| Nominal Voltage (Volts DC) | 12V | 24V |
| Amperage Draw @ Nominal Voltage | 15 | 8 |
| Circuit Breaker/Fuse Size (Amps) | 20 | 15 |

Wire Sizes

NOTE: Recommended conductor sizes based on 105C rated insulation.
Refer to ABYC Standards for other insulation ratings.

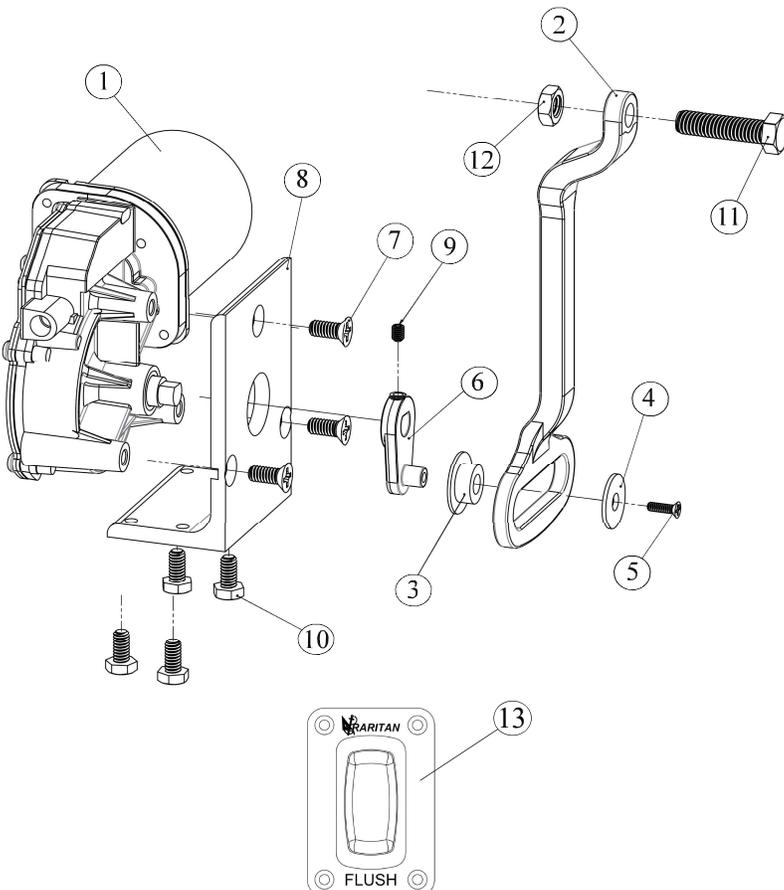
RETURNING ELECTRICAL TO MANUAL OPERATION

WARNING: Secure circuit breaker in "OFF" position before proceeding.

1. Remove arm bolt and nut (1115 and 1115A) from the top of the connecting rod (1134).
 2. Displace connecting rod (1134) from track.
 3. Insert the handle (1208W) and cotter pin (1210A).
- To return to electrical operation, reverse procedure.

| UNIT'S VOLTAGE | Distance from source to unit and back to source (feet [m]) | | | | | | |
|----------------|--|-----------|-----------|-----------|-----------|------------|------------|
| | 10' [3.1] | 15' [4.6] | 20' [6.1] | 25' [7.2] | 30' [9.2] | 40' [12.2] | 50' [15.2] |
| | Minimum recommended conductor wire AWG (mm²) for 3% voltage drop | | | | | | |
| 12 | 12 (6.0) | 10 (6.0) | 10 (10.0) | 8 (16.0) | 8 (16.0) | 6 (16.0) | 6 (25.0) |
| 24 | 16 (1.5) | 16 (2.5) | 14 (4.0) | 12 (4.0) | 12 (6.0) | 10 (6.0) | 10 (10.0) |

NOTE: Never mount conversion kit where it may be subject to shower spray or other sources of external water.



P104E** Units Include

| Item# | Part# | Description |
|-----------|--------|--|
| 1 | 1131** | Gearbox and Motor |
| 2 | 1134 | Gearbox Connecting Rod |
| 3 | 1136 | Roller for Gearbox Assembly |
| 4 | 1137A | Roller Washer S/S |
| 5 | F360 | Screw for Roller (3) |
| 6 | 1135 | Link for Gearbox Assembly |
| 7 | F359 | Gearbox Mounting Screw |
| 8 | 1138 | Gearbox Bracket |
| 9 | F149VT | Socket Set Screw |
| 10 | 1119A | Screw, 1/4-20 x 1/2 Hex (4) |
| Not Shown | 1118 | Washer, 1/4 Ext. Tooth (4) |
| 11 | 1115 | Bolt, 3/8-16 x 1 1/2 Hex |
| 12 | 1115A | Nut, 3/8-16 Hex Jam, S/S |
| 13 | PRS | Momentary Flush Switch (includes face plate) |

** Specify Voltage: 12, 24

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 one year 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.



530 Orange Street, Millville, NJ 08332 USA
Telephone: 856-825-4900 FAX: 856-825-4409
www.raritaneng.com

Thank you for purchasing a Raritan PHII

Model and Serial#:

Please have this available if support is needed.

SCAN for
Owners Manual



L584

SCAN for
Warranty Form



If you prefer a printed version of the Owners Materials:
Email: info@raritaneng.com

Questions on installation?
Email: techsupport@raritaneng.com



Do not return this product to store.

PLEASE RETAIN FOR YOUR RECORDS

530 Orange Street
Millville, NJ 08332 USA
Telephone: 856-825-4900
FAX: 856-825-4409
www.raritaneng.com



L584 0126 jlc