

**NOTES FROM THE OWNER OF  
“STARDUST”  
49’ Defever**

We know you will enjoy Stardust as much as we do! We find her to be extremely sea worthy and comfortable. We brought her up the coast from San Francisco in heavy weather, of course, and she handled the ride beautifully. The hull design and stabilizers ensure a very comfortable and stable platform for a great adventure. Her unbeatable 1250 mile range and total self-sufficiency, ie the watermaker, washer/dryer, ice maker, satellite TV entertainment system, etc., all proven to benefit us all in this beautiful cruising environment, the Pacific North West.

Please leave us any recommendations you might have so that we can improve!

Jan and Randy Grant

Fellow yachting enthusiasts

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# A

## **ALARMS:**

There are 3 high water alarms.

Forward high water alarm is under the soul, just forward of the master stateroom door (pull up carpet and remove hatch).

Mid alarm is near forward engine room bulkhead.

Aft alarm is in lazarette, near forward bulkhead.

## **ANCHOR(S):**

Our boat is equipped with 3 Anchors. The primary "Bruce" is in place on the bow. A smaller "Bruce" is located in the center of the Portuguese Bridge cabinet (labeled). The third is a "fortress" with 150' of 3/8" chain is located in the Lazarette. There is a marker buoy in the lazarette in case the anchor needs to be cut free.

The circuit breaker is on the left side of the shift lever on the Pilot House consul. When you push the button on, the red light will illuminate. The windless can be controlled from inside the Pilot House or by deck foot switches on the starboard side of the anchor. Reference guide for chain marking (colored zip ties) is in the drawer on the right side of the consul, below the radio.

Red	Just below water surface
White	15'
Blue	25'

Yellow 50'  
Green 100'  
Green\White 150'  
Black 200'  
Black\Red 250'  
Solid Red paint 275' – 300'

## **B**

### **BATTERIES:**

The House batteries in banks of 4, are located outboard of port and starboard engines. 900 Am hours total. The house batteries are also your starting batteries. Generator battery is isolated from the house batteries. If the house batteries are too low to start the engine, run the generator for approximately 1 hour, then start the engine. Bow Thruster has it's own battery under forward port lower berth.

### **BERTHS:**

There is a queen bed located in the master stateroom. There are two 7' long berths in the forward stateroom. The settee in the main saloon pulls out to a queen bed. The Pilot House has a single 6' long berth.

## **BILGE PUMPS:**

There are 3 bilge pumps. One is located just forward of the master stateroom, under the sole, at the base of the stairs. The second is located below the fuel management manifold, forward bulkhead of the engine room. The third is located in the lazarette, on the forward bulkhead. Each one has an associated high water alarm switch near by. Manual bilge pump controls (for all three) are located in the pilot house on the port side of the throttles at the main consul. The high water alarm lights are located here, as well.

## **BOW THRUSTER:**

The bow thruster controls are located near the throttles on the control panels.

On the flying bridge, it is located slightly to the right above the throttles.

Make sure the control knob is pulled out (this is located on the port side, lower berth, in forward cabin (RED)).

Use only for short bursts, less than 10 seconds, when docking. To enable the thruster, push both ON buttons simultaneously. A yellow light will illuminate, and it will remain active for approximately 5 minutes. Test before moving the boat. Make sure the circuit breaker switch on the main panel, is always ON (to keep battery charged).

# D

## **DINGHY:**

This is a 4 person 11½' 2011 dinghy made by Achilles , with a 20 HP Honda engine. Two 5 gallons fuel tanks are located under the seat, one of which is removable. The tank selector valve and priming bulb is next to the bilge pump. Engine up/down switch is on outboard side of the throttle handle. Key switch is on the bottom side of the throttle. There is one life jacket on top of fuel tanks.

## **DAVIT:**

The remote is stored in the lowest step of the staircase leading up to the flying bridge.

If it is not in the lower step, the remote control switch is attached to the gray box at the base of the davit. Make sure the plug is fully inserted and snug, or else davit may fail to function. Make sure the motor is in the "UP" position so the propeller doesn't strike the "rear position light". Remove the dinghy straps from the keel supports. Make sure the white sling strap is threaded under the hand support bar at the steering console before lifting it off of the deck. Push the dinghy back and swing it around to the starboard side, bow facing aft. The dinghy must be picked in this same position, bow facing aft. Make sure the upper deck hatch is closed before hoisting dinghy on or off the boat.

Towing dinghy: Tow ONLY by the clip on bow eye ( in fiberglass hull, not the rings in the rubber portion). We suggest towing the dinghy approximately 10 feet behind the boat. The bowline must be tied to the aft starboard cleat,

through fair lead in stern and through the swim deck railing. TOW WITH MOTOR IN UP POSITION.

## **E**

### **ELECTRICAL PANEL:**

The main electrical panel is located on the port side of the pilot house. Refer to reference chart on panel cabinet. Use the brass light on the wall to illuminate panel.

Shore Power Connector: Forward Port side of Portuguese Bridge. Primary 50 amp cord lays on deck connected to outlet . One spare 50 foot 30 amp cables on board, stored in STB side Portuguese bridge. Lead the power cord through a fair lead, not over a railing to prevent wood damage.

Make sure the power selector on the electrical panel is OFF before connecting or disconnecting shore power cable.

Magnum 2800 watt inverter/150 amp charger

See INVERTER.

### **ENGINE ROOM:**

Access to the engine room is through the hatch below the refrigerator or aft through the lazarette. Please inform all passengers when the hatch is open!

The Engines are Perkins-Sabre 135 HP with ZF transmissions. Both engines are low hour.

The engines are manually synchronized.

The Oil Dip Sticks are located mid engine, with yellow handles next to walkway. Sea Cocks and raw water strainers are forward of engines. Fuel management manifolds are located on forward bulkhead. Starboard side forward bulkhead holds the reservoir for Stabilizers. Starboard engine has the Stabilizer pump. The Inverter and selector switch is on the port side, forward bulkhead, as are light switches for the engine room. The fresh water pump is on port side of forward bulkhead. Battery banks and forward fuel tanks, capacity of 175 gallons each, are located outboard of port and starboard engines. Westerbeke Generator located aft of starboard engine. Village Marine Watermaker is also located here. The manifold for the Webasto heater is located aft of the port engine. Tool chest located inboard of aft fuel tank, each tank capacity is 350 gallons each.

The spare engine coolant and engine oil are stored in the box on the port side opposite the Westerbeke Generator. Spare filters and belts, etc., are in two gray plastic bins located aft and outboard of port engine, on the shelf. It says "spares".

#### **EMERGENCY EQUIPMENT:**

12 life jackets located cabinet over Pilot House bunk.

The ELT/medical kits and flares are located under the footrest at Pilot House settee. 2 PFD's are located hanging on right side of Pilot House .

Fire extinguishers located in Galley, Pilot house, Saloon and one large automatic whole space Halon in the Engine Room.

Flashlights are mounted on the starboard side at the base of the stairs in the Pilot House and below fire extinguisher in Saloon. Others will be in various drawers throughout the boat.

### **ENTERTAINMENT:**

See reference information in cabinet.

C/D player is located above the Pilot House wheel.

Main Salon: 2012 Samsung "smart" 46 Inch LE /3D Flat screen in remote controlled Rise/Fall cabinet. No Game consuls on board but inputs are available on flat screen and Blue Ray DVD player. Intellian 3 Eye Satellite Receiver/Dish. Dish Network service provided with HD. No premium channels available. Bluetooth pairing available for IPHones, iPods and Bluetooth devices on the Samsung sound bar located under the flatscreen.

## **F**

### **FUEL:**

The boat holds 1000 gallons in 4 fuel tanks. Forward tanks hold approximately 175 gallons per, and the aft tanks hold approximately 350 gallons per. Filler

caps are port and starboard on lower deck. Forward fillers are at base of steps, and aft fillers located 10 feet aft of forward fillers.

### **FILLING FUEL TANKS:**

Fuel cap KEY is in top drawer under the VHF radio on the consul.

Ensure all 4 filler sight tube valves, located on engine fuel tanks, are opened top and bottom.

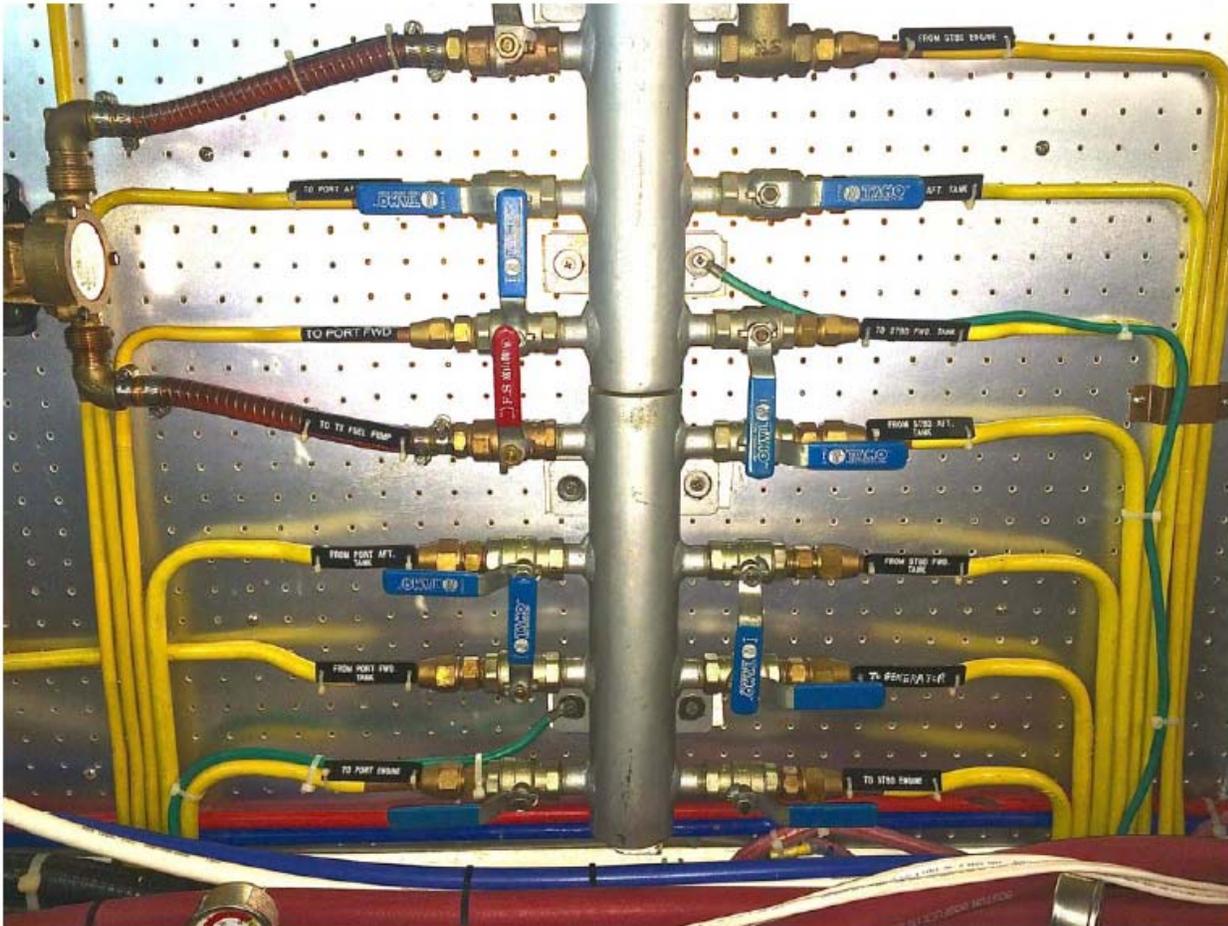
When filling tank, be sure to fill to the bottom of the brass fitting.

Ensure rags are available to prevent any spills.

**ENSURE YOU ARE SIGHTING THE PROPER FILLER TUBE FOR THE CORRESPONDING TANK.**

When done fueling, close all 4 sight tube valves.

Fuel filters are Raycor, one for each engine and one for the generator easily visible in the engine room.



Fuel manifold supply and return valve configuration

## FUEL MANAGEMENT:

See reference guide in engine room for manifold operation.

1900 RPM is the best economy cruise at 7.5 knots consuming approximately 3.75 GPH. 2200 RPM at 8.75 knots, the fuel consumption will be approximately 7 GPH. With the variable currents in this area, the fuel consumption can only be approximated.

# G

## **GALLEY:**

The Princess electric stove has a toggle switch that engages either the oven OR the 3 burners. The microwave is self-explanatory. The bread maker, toaster oven, Cuisinart food chopper, popcorn popper and electric water kettle are located in cabinet next to washer/dryer.

### Washer/dryer:

Generator or shore power required. Use only 1 tablespoon of detergent (HE) located in cabinet next to washer/dryer. DO NOT OVER LOAD! 2 pair of jeans and a shirt or two is the limit. Clothes expand when drying, and the clothes will be damp and horribly wrinkled if you over load it. Been there, done this. We use Normal setting for wash, and use 60-90 minutes for drying time. Cold water only. The door will not unlatch for several minutes after cycle is complete. Don't force the door.

## **GENERATOR (Westerbeke 10 KW):**

Before the first start of the generator, check the oil level with dipstick (labeled) and coolant level (a clear square container located above the generator). Make sure ALL SEACOCKS ARE OPEN! The sea cock is located on the aft side of the generator on the sole with the associated raw water strainer.

In the center of the electrical panel you will see “Generator Control” with three toggle switches and a red indicator light. Push the Preheat toggle up for 10 seconds. While continuing to hold toggle switch up, push START toggle up until the generator starts. Release Start toggle. The red indicator light will illuminate when the generator is running. Continue to hold preheat toggle up for another 5-10 seconds. After 30 seconds, turn rotary switch to “ships generator”. Power is now available. Verify the generator exhaust to confirm cooling water is flowing. The generator must be running to power the washer/dryer, stove and the watermaker. The generator will also provide a quick charge on the batteries for the first start of the day if batteries are low.

To shut generator down, turn rotary switch to “off”, and push toggle switch up until generator shuts down, about 10 seconds. Wait about a minute, then hold “Stop” toggle up for 10 seconds.

Trouble shooting:

If Generator becomes overloaded, the circuit breaker is located in the generator housing itself. Reach inside the left forward panel, look for the black circuit breaker. You will need a flashlight to identify the breaker.

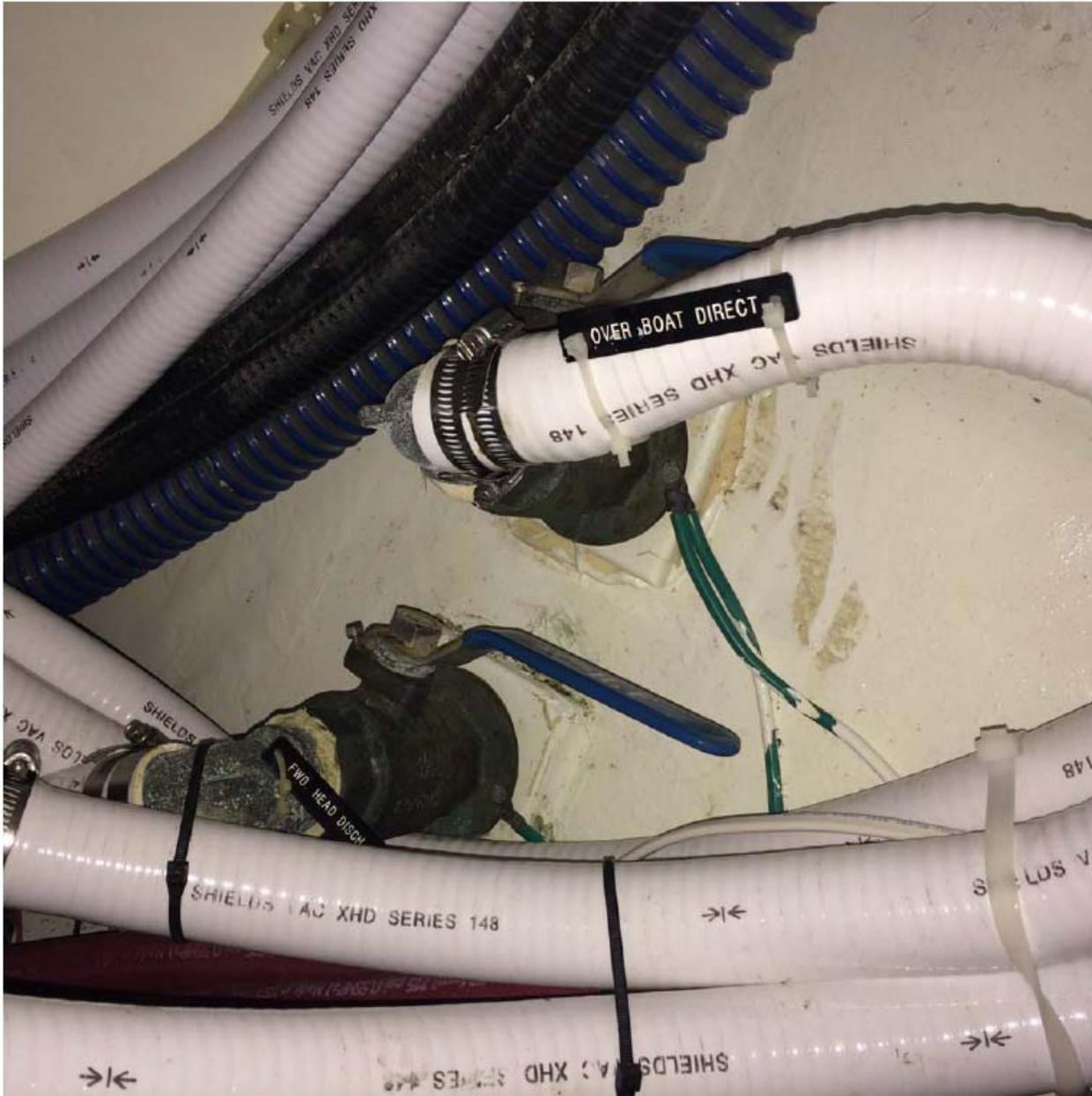
The generator must be running to power the washer/dryer, watermaker and battery chargers.



Proper valve configuration for Generator and Water Maker

#### H) Heads:

Vacuflush System with 40 gallon holding tank. The Circuit breakers are located on the Main Electrical Panel. Should toilet in one of the heads continues to run due some kind of malfunction, you can turn off the associated breaker on the main panel. The tank level indicator is located at the base of the stairs, starboard side near ceiling. It tends to read "mid" most of the time. The valves are preconfigured for normal operation, so they should not need any attention. They are located in the master suite hanging locker.



Valve selection for forward and aft head

Normal marine toilet operations should be followed. Please remember even a band aid can clog the macerator. Please keep toilet lids down when not in use. Please leave at least 1-2 inches in the bowl. To add water to the bowl, pull up on the foot flush lever. This prevents vacuum loss and continuous running of the pump.

## **EMPTYING THE TANK:**

Make sure "OVERBOARD DIRECT" seacock is open. (Located in master hanging locker). This seacock should be closed after each emptying to prevent possible back filling.

Turn on Macerator circuit breaker, located on the main electrical panel. The pump will take approximately 7-8 minutes to empty if the tank indicates full. Listen for a free running pump. Turn off the circuit breaker. The seacock should then be closed

## **HEATER:**

The Webasto 80,000 BTU heater has a main switch located on the starboard forward bulkhead in the lazarette. The unit periodically kicks on to keep the water loop hot. There are 3 thermostats. They are located in the master on the drawer unit under the mirror, on the bulkhead under the upper forward stateroom bunk and on the galley island. The heads are heated by both stateroom thermostats.

The heater is fueled by starboard aft fuel tank. Don't run it dry.

If the heater is not needed at night, switch it off. It will be a little quieter while anchored in a crowded and small anchorage.

## **I) INVERTER:**

The inverter is 2.8 KW. The Magnum control panel is located on the left above galley sink. This will run the microwave, entertainment system and all electrical outlets while not running the generator or hooked up to shore power. You

cannot run the washer/dryer, water heater, stove or watermaker with out running the generator. This inverter is powered by the ships 900 amp hour batteries. To switch on the inverter, press inverter switch lower left on the control panel until INV light comes on.

To switch off the inverter, press the same button until light goes off.

The inverter may be turned off before retiring for the evening in order to conserve battery life.

## **GALLEY INVENTORY**

- 1 Large serving platter
- 1 large spoon
- 1 large chef's knife
- 1 large bread knife
- 1 can/bottle opener
- 1 cork screw
- 1 cheese cutter (wire type)
- 2 cheese graters
- 1 garlic press
- 1 teflon pancake turner
- 1 rubber spatula
- 2 pair tongs
- 1 teflon tong
- 1 set measuring cups
- 1 peeler
- 1 whetstone/steel
- 2 cutting boards
- 1 small mixing bowl
- 1 medium mixing bowl
- 1 large mixing bowl
- 5 graduated pyrex mixing bowls with lids
- 2 small Rubbermaid storage containers with lids
- 2 silver stone frying pans 10"/12.5"

3 saucepans with lids 5 Qt/8 Qt pots  
1 plastic juice container  
1 broiler pan  
2 wooden spoons  
2 silicone pot holders  
1 crab cooking pot/steamer (in lazarette)  
10 cup drip coffee pot (Mr. Coffee with flat bottom permanent filter)  
1 large French press  
1 tea kettle  
12 clothes pins  
potato masher  
6 cup Oster blender  
Teflon muffin tin  
11 X 18 teflon griddle  
Dyson vacuum with attachments  
1 colander  
1 ladle  
complete set measuring spoons/cups  
4 pair scissors  
Slotted spoon  
Metal turner for grilling  
1 vegetable peeler  
Small whisk  
2 baking sheets

### **IN CABINET NEXT TO WASHER/DRYER**

Microwave popcorn popper  
Cuisinart break maker  
Cuisinart 4 cup grinder/chopper  
Electric hot water pot  
Electric wine opener  
Hamilton beach toaster/broiler

### **MECHANICAL INVENTORY**

Alternator  
Starter motor

Water pump

Raw water pumps/seals

2 fuel injectors

Bilge pump

Fuel pump

Fresh water pump

2 thermostats

Miscellaneous Spares located above stb fuel tank

Davit control

2 macerators

Power steering pump

12 volt battery charger

Raw water strainers

Heater spares

Watermaker filters

# R

## RADIO/NAVIGATION:



Remove and store covers in the cabinet on the right side of the console below the VHF radio.

Starting sequence:

Turn circuit breakers on for NAV, VHF and AUTOPILOT on the electrical panel. VHF radio is on the right side of console (Raymarine).

Quick reference guides for the new Simrad Navionics are located in the drawer on the right side of the console.

## 2014 NAVIONICS:

2 Simrad NSS 12 inch display units. One located on the flying bridge.

1 Simrad NSS 8 inch unit.

3G instant on high sensitivity radar.

Structure scan sonar (high resolution) and redundant sonar system.

All information, including the radar and sonar systems are shared by all 3NSS screens.

Simrad Tridata on console and on flying bridge.

Autopilot is Raymarine. A repeater is on the flying bridge.

POWERING down navigation equipment.

Turn off NAV, VHF and AUTOPILOT circuit breakers

## W

### WATERMAKER:

Village Marine, 16 gallon per hour watermaker. This feeds into the 400 gallon fresh water tank. If the water tank is filled, the excess water will exit port and starboard, just forward of the pilot house doors, about 4 feet above the water line.

### Start Sequence:

Start and let the generator run for about 5 minutes. The control panel is above and left of the galley sink, above the inverter panel. Momentarily press LP PUMP button, and the light will come on above. 5 seconds later, press HP

PUMP button. The light will come on. After a few minutes, the alarm will stop sounding, and the indicator will say the water quality is good, and you will be making water. **DO NOT MAKE WATER IN OR AROUND ANY ANCHORAGE!!** You will foul the membranes, and the clarity of the water is always questionable.

Shut down sequence:

Press HP PUMP button, and the light will go out. Press the LP PUMP button, and the light will go out. Process complete.

When returning to the home port, press the flush button after shutting the watermaker. This will flush fresh water through the membranes.



Proper valve configuration for Generator and Water Maker

The water tank gauge is located at the bottom of the stairs to the staterooms, labeled 400 gallons. The tanks are empty when the level reads just above the red mark.