



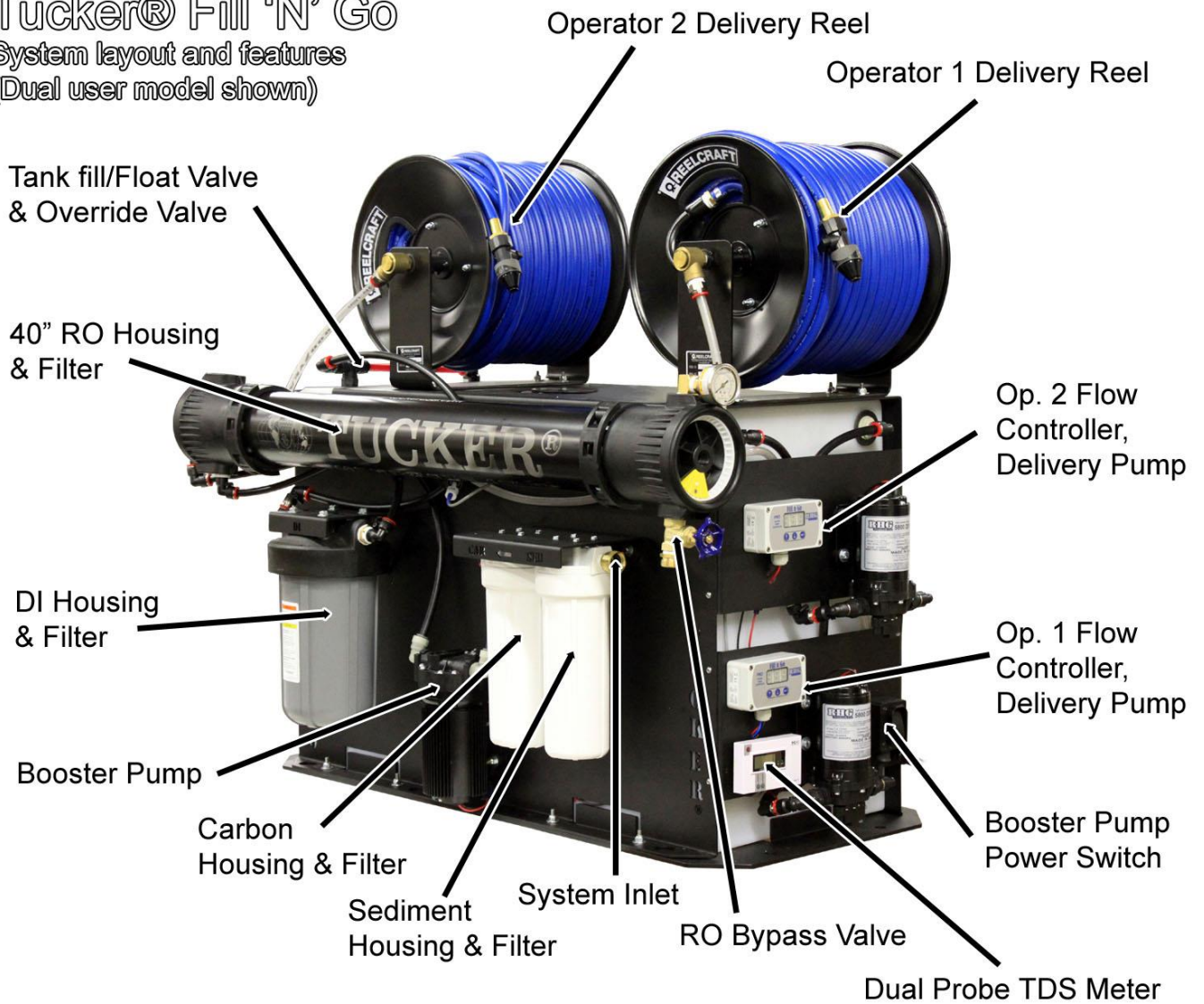
Tucker® Fill N Go
4-Stage RO/DI & Truck Mount
Tank System User Manual

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Tucker® Fill 'N' Go

System layout and features
(Dual user model shown)



New Machine Setup Procedure

Unpack unit and inspect for any damage that may have occurred during shipping.

Any damage or missing components must be reported within 24 hours to the supplier of your system. Your Fill N Go system requires a 12v deep cycle battery, A hose reel(s) is included, which is intended to accommodate 200' 3/8 pure water hose, and connects with a 3/4" MGHT fitting.

Fill N Go Systems ship fully assembled.

Your Fill N Go must be secured into a vehicle via hardware of your choosing through the mounting holes in the base of the system frame.

Operation Instructions

- 1. Connect a length of waste hose to the bypass valve to divert waste water away from system and work area.**
- 2. Fully open bypass waste valve.**
- 3. Attach a garden hose to the inlet of your system.**
- 4. Turn tap water supply on.**
- 5. As water begins to flow out of the bypass hose, slowly close the bypass valve all the way. Although the valve is fully closed, water will still flow out of it. This is normal. Water will begin to flow into the tank under tap pressure.**
- 6. It will take a few minutes for all of the air to purge out of your system. Only turn on pumps after air has been purged.**
- 7. After the initial 'air purge' you will not need to purge air again unless you replace a filter.**
- 8. You are now ready to fill your holding tank.**

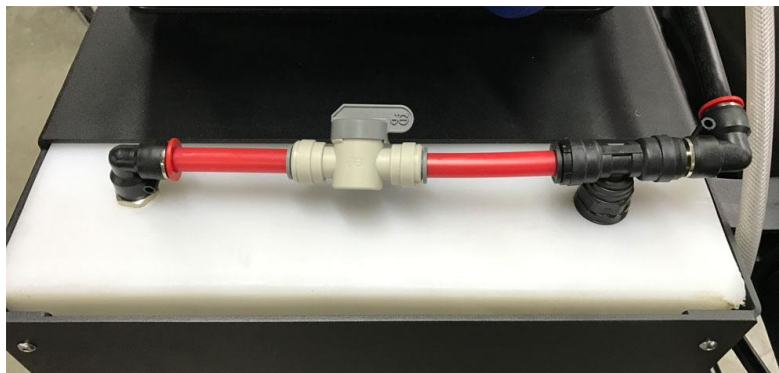
Electric Motor Operation

Fill N Go RO/DI systems come with 12v pumps to boost RO water production into the tank as well as deliver water to your pole. An on/off switch is mounted to the face of the systems to control the booster pump. The delivery pump is controlled with the use of a controller. The controller will likely require calibration. Refer to the Pump Controller Manual included in this documentation.

Features and Maintenance

The 52 Gallon tank in your Fill N Go system fills with RO/DI water. You can monitor the TDS of the water from the ROs during filling with your Dual TDS meter. The IN setting reads the RO water feeding the DI filter. The OUT setting only reads water purity after DI filtration.

Your tank will be prevented from overflow during filling by a float valve inside the tank. Water will be diverted out the waste line until you shut off the water supply. You can open your tank filling override valve to fill your tank beyond the cut off point, up to 52 Gallons.



Filter Replacement Schedule & Procedure

Your sediment filter protects your system from large particles and heavy soluble water impurities. Your carbon filter protects your system from damaging chlorine and water disinfection agents. It is recommended that you change your sediment and carbon filter cartridges together, every 5000 gallons. Failure to do so will void your warranty. Order RHG #20025 & RHG #20026.

Your DI filter has a limited lifespan based on the amount of dissolved solids it is removing from the water. DI filter cartridges need to be replaced as needed for your cleaning application. Glass can typically be cleaned spot free with water up to 10ppm TDS. Non-glass surfaces may be cleaned with water up to 40ppm TDS. Order RHG #20027.

To remove these filters, slide the correctly sized provided plastic wrench over the filter housing from the bottom up. Once snug, turn the filter counter-clockwise (as viewed from the bottom of the filter) to break any seal that may have formed. Once the housing is loose, continue unthreading housing sump from the housing head. Remove spent filter and replace. Ensure the rubber washers provided with your replacement filter are correctly placed and aligned. All rubber seals, including the large diameter O-ring around the mouth of the housing, should be lubricated at this time.

RO membranes have a much longer service life and in the experience of RHG may last the life of the system. However ROs are only warrantied for factory defect and may eventually diminish in performance or fail. If you experience a reduction in RO performance in your Fill N Go system, contact RHG directly to troubleshoot.

RO MEMBRANES SHOULD NOT BE ALLOWED TO DRY OR COLLECT STAGNANT WATER IN THE BOTTOM OF THE MEMBRANE. THIS WILL DIMINISH PERFORMANCE, POTENTIALLY TO THE POINT OF FAILURE. TO PREVENT THIS, ROs SHOULD BE RUN ON A REGULAR BASIS, AT LEAST EVERY TWO WEEKS, AFTER FIRST USE, EVEN DURING "OFF-SEASON".

Shutdown Procedure

- 1. Open the bypass valve fully to flush the system and turn off the pump.**
- 2. Flush the system for 4 to 5 minutes at the end of the job. We recommend that you do this while coiling up your hoses and putting away your pole.**
- 3. Turn off the water supply to the unit.**
- 4. Disconnect the water supply.**

It is important to always flush the system after each use. Failure to do so will decrease the filters life.

ANY ALTERATIONS TO THE SYSTEM WILL
VOID THE WARRANTY



Operating Warnings

Adjust your flow settings carefully. Repeated false dead-end detection indicates that the Cal value should be increased (less sensitive).

For absolute safety always wire through the pump pressure switch. (The pressure switch can be bypassed if absolutely necessary - the unit will protect itself under normal conditions.)

This is a WATER PUMP controller: it will not work with air in the system. Always prime your system before starting work. If air in the system causes false dead-end detection, increase Cal value (less sensitive).

Do not set the Cal value too high. Setting it higher than necessary places extra strain on both the pump and the controller in a dead end situation. This can result in damage to both the pump and your controller.

Specification	Value
Supply Voltage	11 - 14 VDC
Maximum Current	10A
Typical Drive Current	4-5A
Voltmeter Accuracy	+/- 100mV
Enclosure Material	ABS
Water Resistance	IP65
Dimensions	115 x 65 x 40(mm)
Working Temperature	0 to 40 Deg C

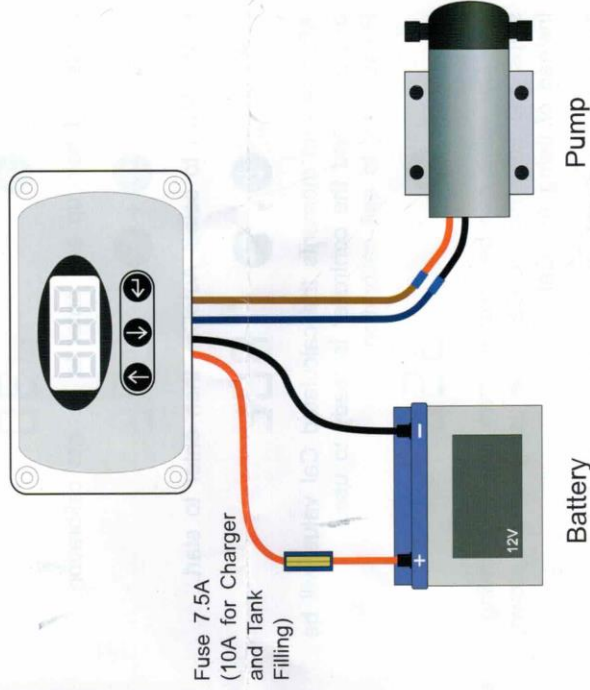
* Your battery is at risk of permanent damage if you disable low battery cutoff and continue to use your controller for long periods when the battery voltage has fallen below +10.5V


Pump Controller - Quick Start

v11

Step 1. Wiring

Connect the pump controller following this diagram.
NOTE only fit the fuse once all connections are made.



 Make sure correct fuse is fitted inline. Failure to do so will result in damage to the unit.
Observe correct battery polarity. Failure

Step 2. Set Up - AutoCal

Connect your hose and brush to the pump.

Turn on the controller by pressing the up or down button. Keep the button held until the display lights up.

Press up until the display shows 30.

↑ 830

Press and hold up and enter to go into calibration.

↑ + ↵ 888

Press down to select AutoCal, then enter to start.

↓, ↵ 8UE

After several moments the calculated Cal value will be displayed and the controller is ready to use. Press enter to exit calibration.

↵ 5EE

The Cal value can be adjusted manually by following these steps and adjusting the Cal value using up and down, instead of using AutoCal.

To enable or disable the low battery cutoff (when battery is below 10.5V):

↓ + ↵ Then ↑, ↓ To select 800/0FF

Press enter to save. ↵ 5EE

Step 3. Use

Press up or down to set a suitable flow of water.

↑, ↓ 828

Press enter to display the current battery voltage.

↵ 888, 124

Press enter again to return to the current flow rate.

↵ 800

To turn the controller off, press and hold enter.

Message	Description
8EE	An error has occurred while using AutoCal. This will happen when the motor is not connected or the enter button has been pressed to cancel it.
8PS	Pressure switch activated or motor disconnected.
8DE	A dead end has been detected. If this is not the case, try increasing the Cal value.
88E	This message will start to flash when the battery is low (<11.0V). If battery is below 10.5V the pump will be disabled to protect the battery. (Unless low battery cutoff is disabled*)