

# Automatic Outboard Flushing System Pro

## Operation and Troubleshooting

### Operation

The OFS Pro is designed to flush each engine automatically for 15 minutes, 7.5 minutes, or each engine manually based on the user selected Mode. It is recommended that the water source be able to supply a minimum of 30 psi in order to properly flush the engines. The unit must also have an 11 Volt minimum power source to properly function.

### Initialization

1. Connect and turn on fresh water source to unit.
2. Turn on 12-Volt power to the unit.
3. LED should quickly flash **Red/Blue** followed by:
  - a. **No Flash of LED** Indicates insufficient power to turn unit on, verify power source.
  - b. **Solid Blue**: Unit is in Ready State.
  - c. **Solid Red**: Inadequate/no water pressure (below 10psi).
  - d. **Flashing Red twice**: Indicates Low Voltage (below 11V), verify power source.
  - e. **Flashing Red three times**: Indicates hardware error, Service is required.

**NOTE:** Any **Red LED** indication is a “hard fault” and the unit cannot proceed to Flush Mode until the fault is resolved. After 1 min of inactivity the **Red LED** goes out, the unit goes to sleep and requires a button push to re-initialize.

### Flush Modes

While the **Solid Blue** LED is illuminated (Ready State), if the unit does not see a Button Press for 2 minutes it will go to sleep and require a Button Press to re-initialize and enter Ready State and will immediately start flushing:

1. One Button Press enters **15 min Flush Mode** per engine. **Blue** LED Flashes once repeatedly.
2. Two Button Presses: **7.5 min Flush Mode** per engine. **Blue** LED Flashes twice repeatedly.

**NOTE:** 15 min & 7.5 min Flush Modes automatically cycle through each engine until finished. **Red** flashing LED during flushing indicates insufficient water pressure to properly flush engine.

3. Three Button Presses: **Manual Flush Mode**. **Blue** LED flashes 3 times, then **Red** LED flashes:
  - a. **Red** LED flashes once = 1st engine, twice = 2nd engine, up to 4 engines.
  - b. Each button push will advance the unit to the next engine.
  - c. Once the last engine is being flushed, press the button once to exit this mode.

### Exiting Modes

To exit any mode during a flush cycle, press and hold the button for at least 5 seconds until the LED rapidly blinks **Red/Blue**, then release the button. The unit will exit the mode and return to Ready state (See Flush Modes)

### Troubleshooting

- Reset the system by turning power off and back on to the unit.
- Confirm correct voltage is powering the unit.
- If connected to a battery, check that it is fully charged.
- Ensure there is enough water pressure to the system.
- Observe LED indicator. See Operation instructions and/or LED Indicator Table for details.
- Ensure all connections have been properly tightened and no kinked hose is causing a restriction.
- Confirm the correct fittings are installed for hose and unit.

## LED Indicator Table

Operation	Indication
<b>Initialization</b>	
<b>NO LED</b> illuminated	Indicates insufficient voltage to power unit (below 10V), verify power source or unit is in sleep mode.
<b>Red/Blue</b> Single Flash	Unit initializing and checking for hard faults
<b>Solid Blue</b>	Unit is ready to enter Flush Mode
<b>Solid Red</b>	Water pressure below 10 psi or no water hooked up to unit
<b>Flashing Red</b> twice	Voltage low (below 11V), unit will not work below 10V
<b>Flashing Red</b> three times	Indicates hardware error, Service is required
<b>Flush Modes</b>	
<b>Blue</b> LED Flash once	Unit is in <b>15 min Flush Mode</b>
<b>Red</b> LED Flash once	Unit is in <b>15 min Flush Mode</b> , insufficient water pressure to flush engine
<b>Blue</b> LED Flashes twice	Unit is in <b>7.5 min Flush Mode</b>
<b>Red</b> LED Flashes twice	Unit is in <b>7.5 min Flush Mode</b> , insufficient water pressure to flush engine
<b>Blue</b> LED Flashes three times followed by <b>Red</b> Flash	Unit is in <b>Manual Mode</b> , <b>Red</b> LED flashes based on which engine is being flushed. Example: <b>Red</b> Flashes Once = Engine 1, <b>Red</b> Flashes Twice = Engine 2, etc.
<b>Blue/Red</b> repeated Flash	Unit is in Manual Mode, insufficient water pressure to flush engine

## Warranty

To view the latest version of the policy, visit: [www.reversopumps.com/warranty-policy](http://www.reversopumps.com/warranty-policy)

## Contact Us

Reverso Pumps LLC  
4001 SW 47th Ave, Suite 201  
Davie, FL 33314  
Ph: (954) 522-0885  
[customerservice@reversopumps.com](mailto:customerservice@reversopumps.com)  
[www.reversopumps.com](http://www.reversopumps.com)