



**Boat
Washdown**
KIT

**QUALITY ONBOARD BOAT WASHDOWN
STATIONS, PUMPS AND ACCESSORIES**

Thank you for purchasing from Boat Washdown Systems LLC. To make sure we keep up with product development the most current instructions and product videos will be found on our website at www.boatwashdownkit.com

Our washdown systems are designed to be the most universal on the market with an easy-to-use plug and play wire harness. This product was designed to be installed by anyone who has a basic level of mechanical knowledge and abilities.

We understand that not all boats are created equal, each mounting location and routing of wires may be different even on similar applications. Using the measure twice cut once theory is highly recommended. Always check for depth prior to drilling or when routing wires. To test, run and pressurize your system and make sure your inlet tube is completely submerged. Do not run your pump when you are not using your washdown system.

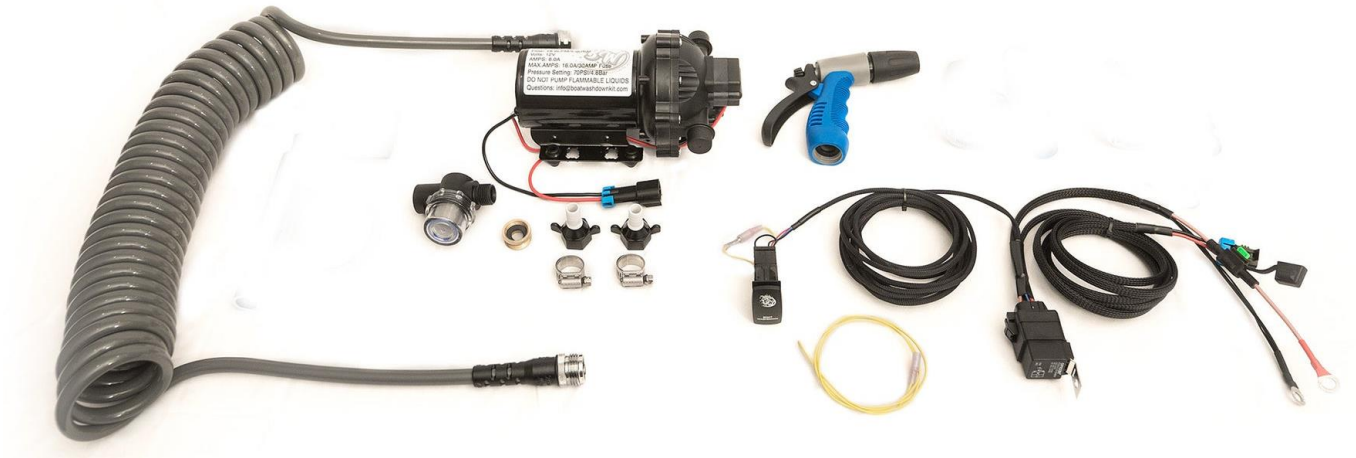
Tools required: electric drill, hole saw from $\frac{3}{4}$ " to $1\frac{3}{4}$ ", cutting tool for switch mount and location and basic hand tools.

Universal Washdown Pump Kit Components:

- 5GPM Diaphragm pump
- 2 Pump $\frac{1}{2}$ " fittings
- 1 Prefilter
- 1 Plug and Play Wire Harness
 - Inline 30amp fuse
 - Illumination wire (yellow),
 - Pre wired relay
 - Rocker switch
- 1 25' coiled washdown hose
 - Carbon Black, Slate Grey or Marine Blue color option
- 1 Nozzle



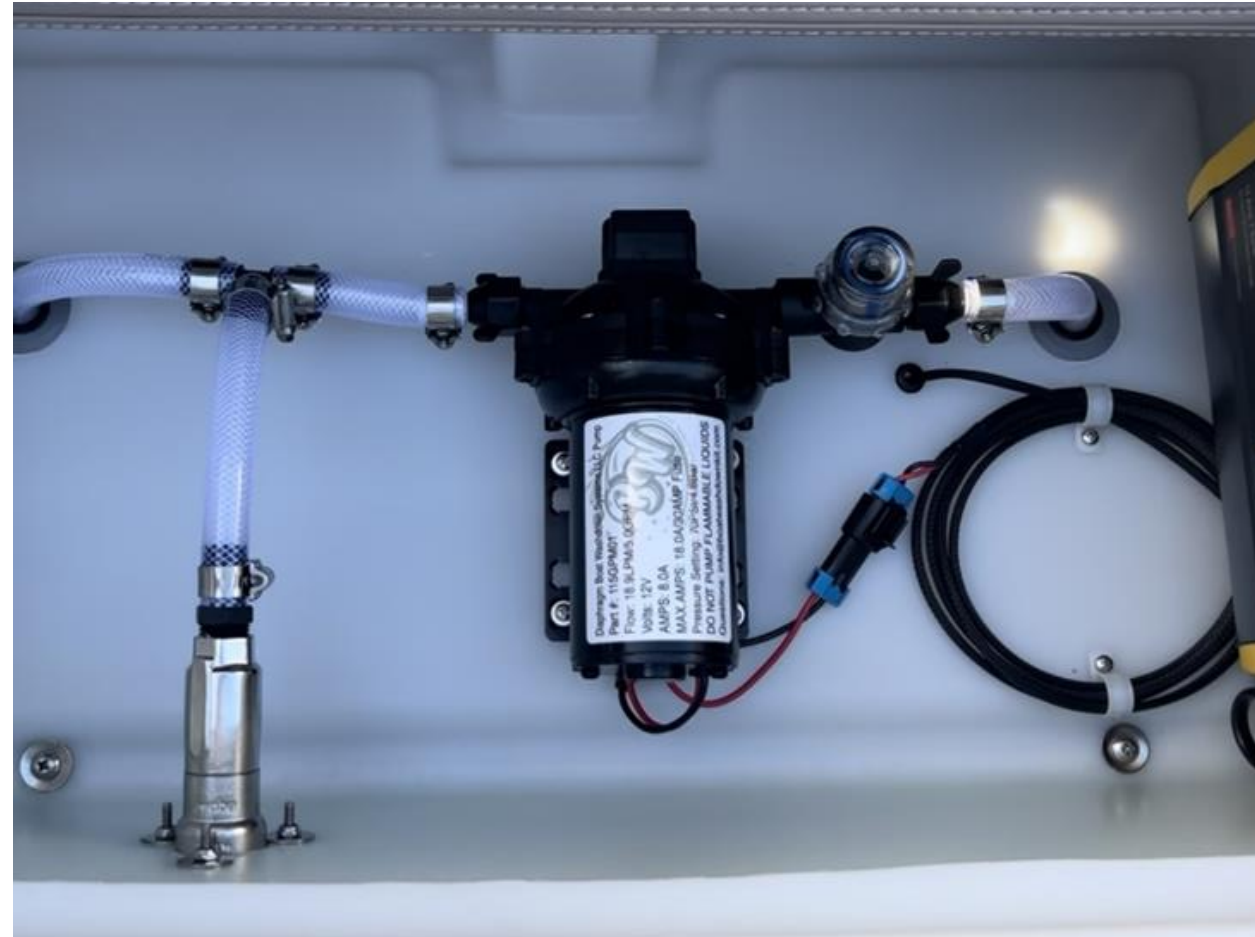
Universal Washdown components shown below:



Pump Setup and Installation:

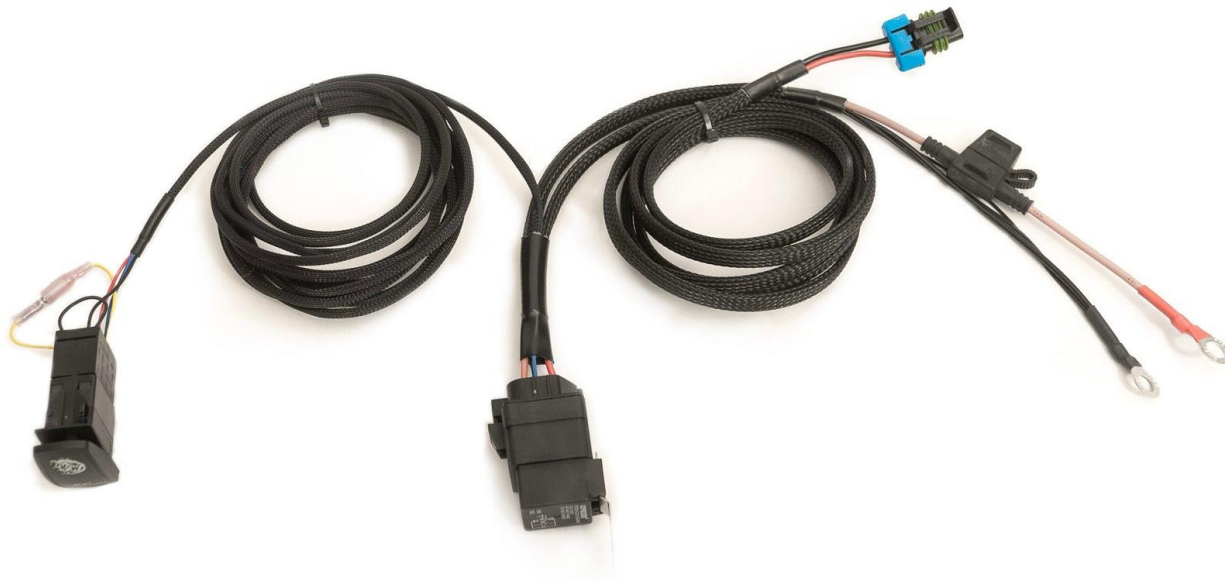
- This washdown pump can be mounted in any position. However, if mounted vertically the pump head must be in the down/lower position to prevent any possible leaks from damaging the motor casting.
- Each side of the inlet or outlet side of the pump will have an arrow, the arrow is to be pointed in the direction of flow – see pump image shown with prefilter on inlet side.
- When tightening the pump do not compress the mounting feet. If the mounting hardware is over tightened it will increase vibration and pump noise and may cause mounting failure overtime.
- Pump tube/lines must be a minimum of ½” ID with pressure that can handle over 150psi, branch lines to additional quick release flush mounts can also be ½” ID.
- Pump must be plumbed with braided flexible tube or PEX tubing. Do not plumb pump with solid lines.
- If you are mounting your pump onto an onboard potable water system the pump must be mounted higher then the potable water to prevent inlet pressure. We do not recommend an inlet pressure of 20psi or more. If possible prevent any inlet pressure.
- When routing your pump inlet and outlet tube always avoid kinks and areas of high heat.
- Pump prefilter is designed to be installed on the pump inlet side only (The inlet side of the pump will have a small arrow pointing towards the pump)
- All fittings need to be checked prior to final use for leaks, if leaks are visible the use of plumbing tape would be recommended only after you have confirmed the fitting is properly threaded on and tight.
- Avoid any kinks or fittings which could cause excessive water flow restrictions.
- Hose clamps are required for any direct connection to the pump fittings. Both on the inlet and outlet side of the pump.
- If your application requires a check valve it must have a cracking pressure of no more than 2 psi.
- If applying plumbers tape or sealer use caution to prevent extra materials being sucked into pump.
- Pump is designed to be wired on its own dedicated circuit using the boat washdown kit plug and play wire harness.
- Lack of winterizing, maintenance and sanitizing can cause pump failure or result in an underperforming pump. Always review prefilter for debris and fittings for leaks prior to use.

Sample pump shown below with dual flush mount branched option:



Plug and Play wire harness and rocker switch installation:

- Connect the positive lead (red) to the positive terminal of your battery and the negative wire (black) to the negative terminal of your battery. Make sure to remove the inline 30amp fuse during installation.
- Mount the rocker switch in a location that is easy to reach and a location that will not be accidentally turned on without your knowledge.
- If you decide you want to illuminate your rocker switch to turn on with navigation lights you will want to use the provided yellow wire. This wire will plug directly into the back of the rocker switch connection and can be tied into your navigation lights. If you decide to not illuminate your rocker with your navigation lights you can keep the back lead wire plugged in at all times, this will still activate the light on the rocker switch when turned on, however it will not illuminate with your navigation lights.
- If for any reason you need to extend the wire harness use 14 gauge



Example switch location shown below:

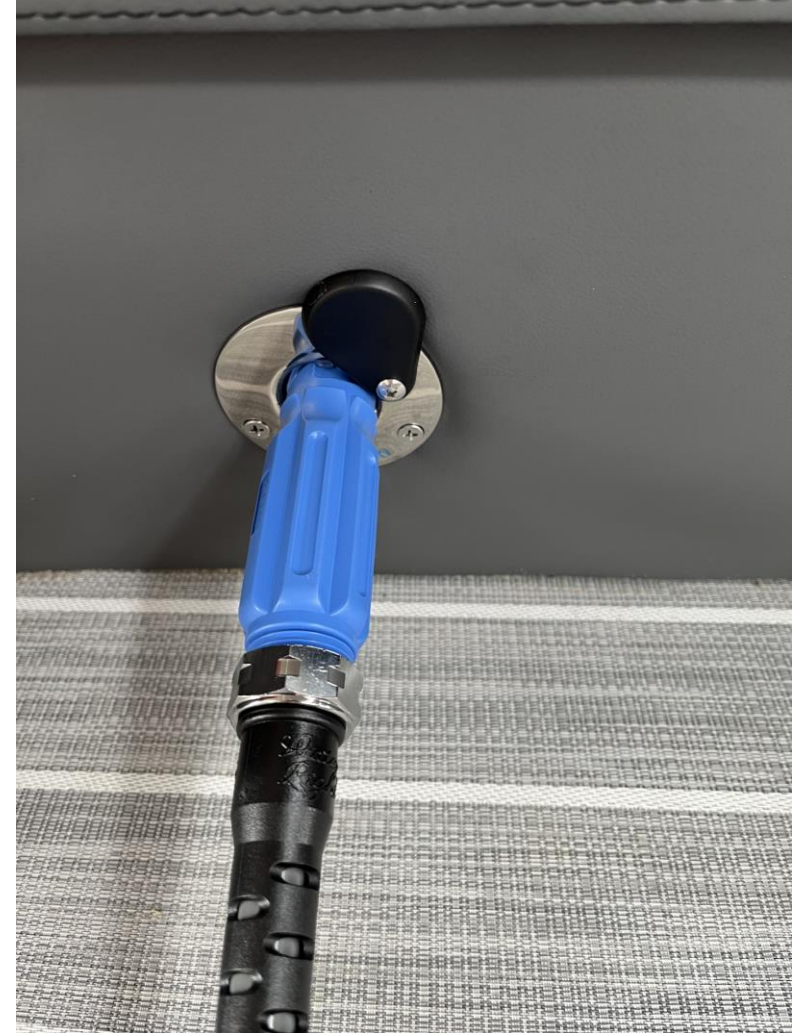


Quick Release Hose Flush Mount Installation:

- Our quick release mount can be mounted vertically or horizontally
- Flush mount will include ½" NPT barbed fitting
- Plumbing tape is recommended on threaded fitting to flush mount
- Secure mount using stainless steel hardware (not provided in kit)
- The flush mount will only begin to pressurize once pump is turned on with the quick release installed into the mount



Example quick release flush mount shown below:



Pontoon Boat Fresh Water Pickup Tube Installation:

- Our pickup tube can rotate up to 45 degrees and designed to mount on the rear of your pontoon near your transducer or any rear toon mount such as ladder mount or brackets.
- The universal design gives you up to 3" or height or depth depending on how you mount it.
- The pickup can be mounted port or starboard
- Once mounted tighten the pickup tube so it is vertical to the back of your pontoon
- Pickup tube is barbed for ½" ID tubing.
- Kit includes ¼-20 stainless hardware and stainless liner clamp.
- During install confirm lower portion of the pickup tube will be in the water. Failure to submerge the pickup in the water will cause pump pressure issues and the system will not operate.
- Do not install the tube below the lowest point of your pontoon or directly next to your transducer.

Example pickup tube installed shown below:



For additional installation information or product support please contact us at info@boatwashdownkit.com or call 949-463-7852

