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> Jabsco Hotshot Series Automatic Washdown Pump 12 Volt User Manual

Jabsco 82605-0092

Jabsco Hotshot Series Automatic Washdown Pump

Model: 82605-0092

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Jabsco Hotshot Series Automatic Washdown Pump, Model 82605-0092. This 12-volt pump is designed for marine and recreational vehicle washdown applications, offering high flow and pressure for effective cleaning.

Please read this manual thoroughly before installation and operation to ensure proper use and to prevent damage to the unit or injury to personnel.

2. SAFETY INFORMATION

WARNING: Failure to follow these instructions may result in serious injury or property damage.

- Always disconnect power before performing any installation, maintenance, or troubleshooting.
- Ensure all electrical connections are properly insulated and protected from water ingress.
- Do not operate the pump with flammable liquids.
- Verify that the power supply voltage matches the pump's requirements (12 VDC).
- Install the pump in a well-ventilated area, protected from extreme temperatures and direct sunlight.
- Use appropriate personal protective equipment (PPE) during installation and maintenance.

3. PRODUCT OVERVIEW

The Jabsco Hotshot Series Automatic Washdown Pump is a robust and efficient solution for marine and RV washdown needs. It features a heavy-duty motor and cast aluminum lower housing for durability and long life, even under high pressure.

3.1 Key Features

- **High Performance:** 6 GPM (Gallons Per Minute) flow rate with a 70 PSI (Pounds per Square Inch) shut-off pressure.
- **Efficient Operation:** Designed for quiet and efficient performance.

- **Easy Installation:** Quick connect ports facilitate simple installation, servicing, and maintenance.
- **Self-Priming:** Allows for flexible installation locations.
- **Durable Construction:** HD model with heavy-duty motor and cast aluminum lower housing for extended life.
- **Vibration Dampening:** Equipped with mounting feet to reduce vibration.
- **Automatic Operation:** Integrated, sealed pressure switch for on-demand operation.

3.2 Included Components

The kit includes the following components:

- Jabsco Hotshot Washdown Pump (12 VDC)
- 3/4" Quick Connect Ports (various fittings)
- Strainer (Jabsco Pumpgard Model 46400-9500)
- Sprayer with Quick Disconnect Garden Hose Adapter



Figure 1: Jabsco Hotshot Series Automatic Washdown Pump Kit. The image displays the main pump unit, a black spray nozzle with an orange trigger, two black quick-connect hose fittings (one straight, one elbow), and a clear Jabsco Pumpgard strainer with a black base.

4. SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and longevity. Follow these steps carefully:

4.1 Mounting Location

- Choose a dry, well-ventilated location protected from direct spray and excessive heat.
- Mount the pump on a solid, flat surface using the vibration-dampening mounting feet.
- Ensure there is sufficient space around the pump for air circulation and future maintenance access.
- The self-priming capability allows for flexibility in mounting height relative to the water source, but it is generally best to mount as close to the water source as possible.

4.2 Plumbing Connections

- Connect the inlet side of the pump to your water source using appropriate hoses and the supplied 3/4" quick connect ports.
- Install the Jabsco Pumpgard strainer (Model 46400-9500) on the inlet side of the pump to protect it from debris. Ensure the strainer is easily accessible for cleaning.
- Connect the outlet side of the pump to your washdown hose using the supplied quick connect fittings and the sprayer.
- Ensure all connections are secure and leak-free. Use thread sealant on threaded connections if necessary.

4.3 Electrical Connections

- The pump operates on 12 VDC. Connect the positive (+) wire from the pump to a fused 12 VDC power source. The fuse should be rated for the pump's maximum current draw (18A max).
- Connect the negative (-) wire from the pump to a reliable ground.
- Use marine-grade wiring and connectors appropriate for the current draw and environment.
- Ensure all electrical connections are watertight and protected from corrosion.

5. OPERATING INSTRUCTIONS

The Jabsco Hotshot pump is designed for automatic, on-demand operation.

1. **Prime the Pump:** Ensure the water source is open and there is water available to the pump. The pump is self-priming, but it may take a few seconds to draw water and build pressure on the first use or after the system has been drained.
2. **Apply Power:** Turn on the 12 VDC power supply to the pump. The pump will run briefly to build pressure in the system and then shut off automatically once the preset pressure (70 PSI) is reached.
3. **Begin Washdown:** Squeeze the trigger on the spray nozzle. The pump will automatically turn on to supply water.
4. **Stop Washdown:** Release the trigger on the spray nozzle. The pump will continue to run for a moment to build pressure and then shut off automatically.
5. **After Use:** If the pump will not be used for an extended period, it is recommended to turn off the power supply to the pump.

Note: The pump's integrated pressure switch controls its on/off cycles based on demand. Frequent short cycling may indicate a leak in the system or an issue with the pressure switch.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your pump.

6.1 Strainer Cleaning

- Periodically inspect and clean the Jabsco Pumpgard strainer (Model 46400-9500) located on the inlet side of the pump.
- To clean, turn off power to the pump, unscrew the clear bowl, remove the screen, rinse thoroughly with clean water, and reassemble. Ensure the O-ring is properly seated to prevent leaks.

6.2 General Inspection

- Regularly check all hose connections for leaks and tighten if necessary.
- Inspect electrical wiring for signs of wear, corrosion, or damage.
- Ensure the pump mounting is secure and the vibration-dampening feet are intact.

6.3 Winterization (for cold climates)

- Before freezing temperatures, drain all water from the pump and plumbing system.
- Run non-toxic RV antifreeze through the pump until it exits the spray nozzle to protect internal components from freezing.
- Store the pump in a heated area if possible, or ensure it is completely dry and protected from extreme cold.

7. TROUBLESHOOTING

This section provides solutions to common issues you may encounter.

Problem	Possible Cause	Solution
Pump does not run	No power; Blown fuse; Loose wiring; Faulty pressure switch.	Check power supply; Replace fuse; Secure all electrical connections; Test/replace pressure switch.
Low flow or pressure	Clogged strainer; Air leak on inlet side; Kinked hose; Low voltage; Worn pump head.	Clean strainer; Check inlet connections for leaks; Straighten hoses; Verify 12VDC supply; Inspect pump head for wear.
Pump cycles on and off rapidly (short cycling)	Leak in plumbing system; Faulty pressure switch; Air in system.	Check all connections and hoses for leaks; Test/replace pressure switch; Bleed air from system by running water.
Pump runs but no water flows	No water in tank; Air lock; Clogged inlet; Pump not primed.	Ensure water source is available; Bleed air from system; Clean inlet strainer; Allow pump to self-prime.

8. SPECIFICATIONS

Attribute	Value
Model Number	82605-0092
Voltage	12 Volts DC
Maximum Flow Rate	6 Gallons Per Minute (GPM)

Attribute	Value
Shut-off Pressure	70 PSI
Maximum Current Draw	18 Amps
Product Dimensions (L x W x H)	33.02 x 20.32 x 20.32 cm
Item Weight	3.31 kg (7.3 lbs)
Material	Aluminum (lower housing)
Color	Black
Power Source	Corded Electric
Included Components	Pump, 3/4" quick connect ports, strainer, sprayer with garden hose adapter

9. WARRANTY AND SUPPORT

Jabsco products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Jabsco website. Keep your proof of purchase for warranty claims.

For technical support, replacement parts, or service inquiries, please contact Jabsco customer service or an authorized service center. Contact information can typically be found on the manufacturer's website or product packaging.

Manufacturer: Flow Control, LLC