



Models 41700 / 51700 - Series Washdown Pump

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WASHDOWN PUMP

80 PSI (5.5 BAR)

7.5 GPM (29 LPM)

6.0 GPM (23 LPM)

FEATURES

- High Pressure / High capacity
- Pumpgard™ Intake Strainer and Pressure Nozzle Included (Suitable for Use in Salt Water)
- Corrosion Resistant
- Soft Rubber Mounts
- Snap-fit Port Fittings
- 12 and 24 VDC Models
- Self-Priming up to 6 feet (1.8 m)
- Motor Rating: IP 54
- ISO 8846 MARINE (Ignition Protection)
- CE

SPECIFICATIONS

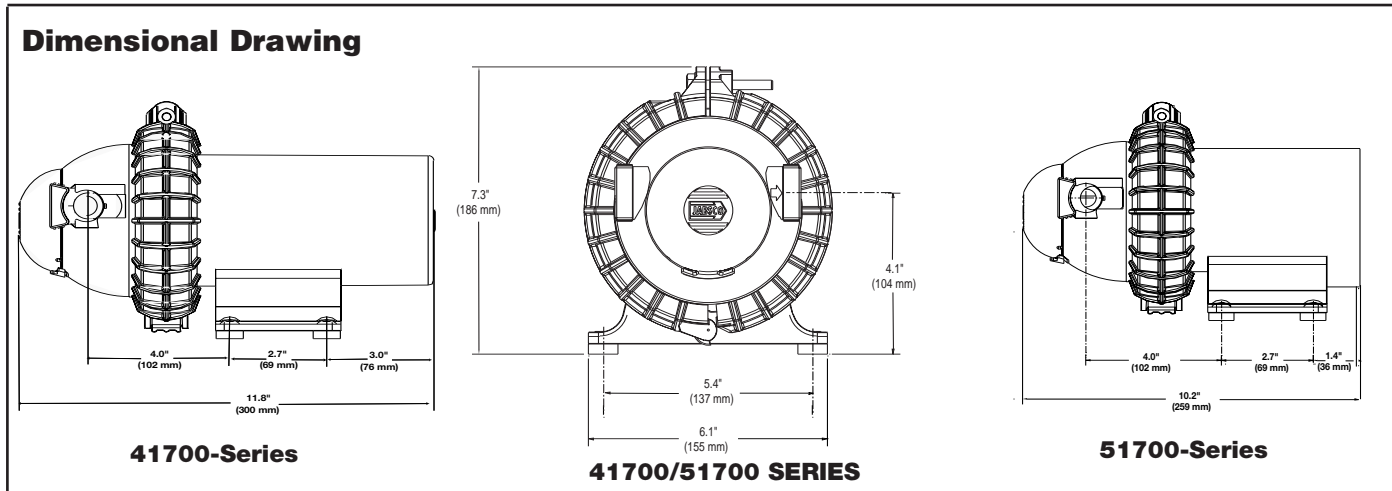
- Pump Body- Glass Filled Nylon
- Pump Design- 5 Chamber Diaphragm
- Suction Lift- Self Priming to 6 ft. (1.8m)
- Ports- 3/4" (19 mm) Hose Barb, 1/2" - 14 QEST straight, 3/4" (19 mm) Hose Barb 90° elbow, 1/2" - 14 QEST 90° elbow
- Motor- Permanent Magnet



WASHDOWN PUMP Dimensions English (SI)

| Pump Series | Height inches (mm) | Length inches (mm) | Width inches (mm) | Weight Lb (Kg) |
|-------------|--------------------|--------------------|-------------------|----------------|
| 41700 | 7.3 (185) | 11.8 (300) | 6.1 (155) | 8.0 (3.6) |
| 51700 | 7.3 (185) | 10.2 (259) | 6.1 (155) | 9.5 (4.3) |

| Model | Nominal DC Volts | Amp Draw (A) @10 psi (0.7 bar) | Fuse Size (A) | Open Flow GPM (LPM) | Switch Max PSI (bar) | Inlet Strainer | Nozzle |
|--------------|------------------|--------------------------------|---------------|---------------------|----------------------|----------------|--------|
| 41700 - 0092 | 12 | 9.0 | 25 | 6.0 (23) | 80 (5.5) | Yes | Yes |
| 41700 - 0094 | 24 | 4.5 | 15 | 6.0 (23) | 80 (5.5) | Yes | Yes |
| 51700 - 0092 | 12 | 13.5 | 40 | 7.5 (29) | 80 (5.5) | Yes | Yes |
| 51700 - 0094 | 24 | 6.8 | 20 | 7.5 (29) | 80 (5.5) | Yes | Yes |



Performance data based upon tests at 13.6 V (12V) and 27.2 V (24V)

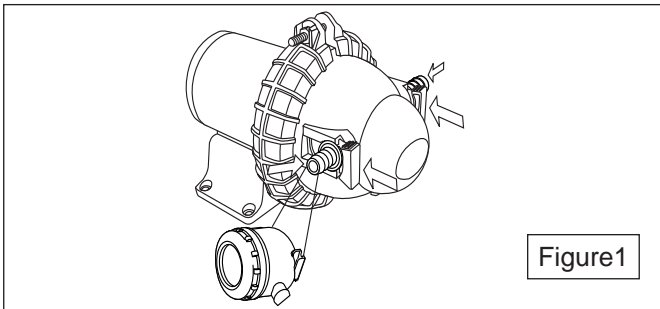


Figure 1

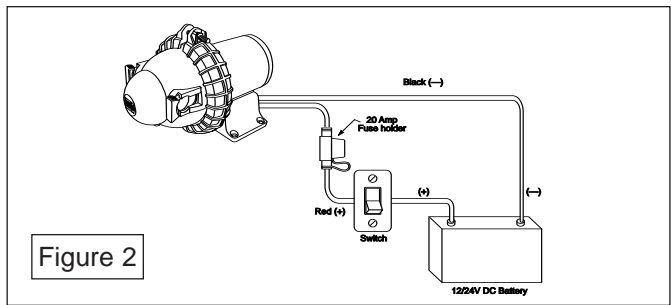


Figure 2

INSTALLATION (Fig.1)

Remove shipping plugs from the pump ports. There may be a slight amount of water that drains out of the pump as all pumps are tested at the factory before shipment. A direction arrow can be found on the pump head to indicate direction of flow. Insert Pumpgard™ strainer into pump intake port. Snap the gate closed to retain the strainer firmly in the pump body. The strainer should be checked on a regular interval to remove debris. Blockage will affect the pump and motor life and flow performance. Connect the discharge fitting of the pump, utilizing the selection to a faucet, bib or valve. Use 3/4" (19 mm) or 1" (25 mm) braided reinforced hose and a worm screw hose clamp for hose connection to all fittings.

MOUNTING

The Washdown pumps are self-priming and may be located above or below the water supply in a dry location. To vertically mount these units, it is best to do so with the motor on top. This will prevent water dripping on the motor in the event of a leak. Place pump on a solid surface and secure with the four mounting screws; be careful not to compress the rubber grommets, which act as vibration dampers.

IF YOU ARE NOT FAMILIAR WITH APPLICABLE ELECTRICAL STANDARDS, HAVE THE UNIT INSTALLED BY A QUALIFIED ELECTRICIAN.

IT IS RECOMMENDED THAT MARINE GRADE REINFORCED HOSE BE USED FOR ALL PLUMBING WITH THESE MODELS OF WASHDOWN PUMPS

WIRING

Suggested wiring information is given as a reference. For proper information, please reference USCG regulations for marine applications and wiring gauges, connectors and fuse protection.

STEP 1

Determine the distance from the power source to the pump and then double the measurement. Wire gauge installation is determined on the entire run length, to the pump and back. For wire gauge recommendations, please see the charts on the last page.

STEP 2

Connect to power supply lead (red)(+) to the positive (+) terminal on the battery or through a properly installed fuse / circuit breaker panel. Then run the length of wire to the pump, connecting the red wire through a switch appropriately rated to the pump's current requirements.

STEP 3

Route the wire so as not to create hazards in operation of the engine, movement of steering components or human traffic.

STEP 4

Connect the red lead to the red/orange lead on the pump housing located pressure switch.

STEP 5

Connect the black lead from the pump to the ground or negative power side (-) of the vessel.

STEP 6

Turn the system off when not in use for extended periods of time or when the water supply tank is empty.

STEP 7

After installation, check voltage at the pump motor. Voltage should be checked when pump is operating. Full voltage must be available at the pump motor at all times for proper pump operation and pump motor life.

PLUMBING

41700 / 51700 - Series. Washdown/Livewell (Fig. 3)

Install the Pumpgard™ strainer (provided) to the hose from the water source (thru-hull seacock or water tank). Connect the strainer to the pump inlet port. Connect the pump discharge to a 3-way valve or T (if livewell has a shutoff valve). Connect to livewell and to hose bib. From hose bib use supplied pressure nozzle.

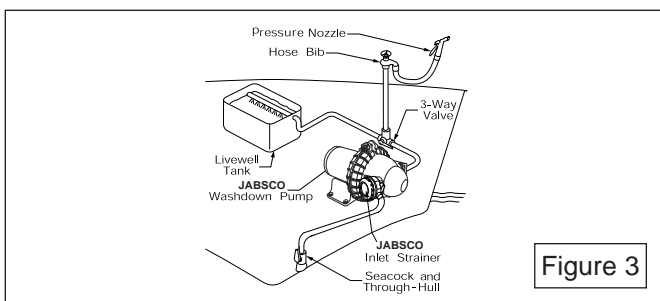


Figure 3

41700 / 51700 - Series. w/Rule® Dual Port (Fig. 4)

Install Rule® dual port pump to seacock. Connect hose from dual port pump to livewell/baitwell tank (see Fig. 4). Connect washdown hose from dual port pump to strainer, connect to pump inlet port. Connect hose from pump outlet to pressure nozzle.

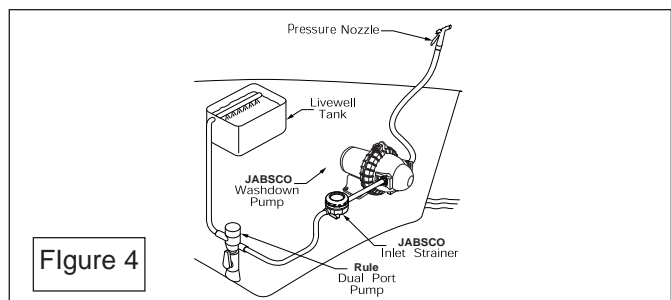


Figure 4

For technical advice or service please take your pump into your local pump service center.
To order pump or parts or for pricing please go to the following links :

[Jabsco Pumps Home >>](#)

[Jabsco Pumps stock list >>](#)