

JABSCO®

Submersible Bilge Pump Model 30220-1012

INSTALLATION

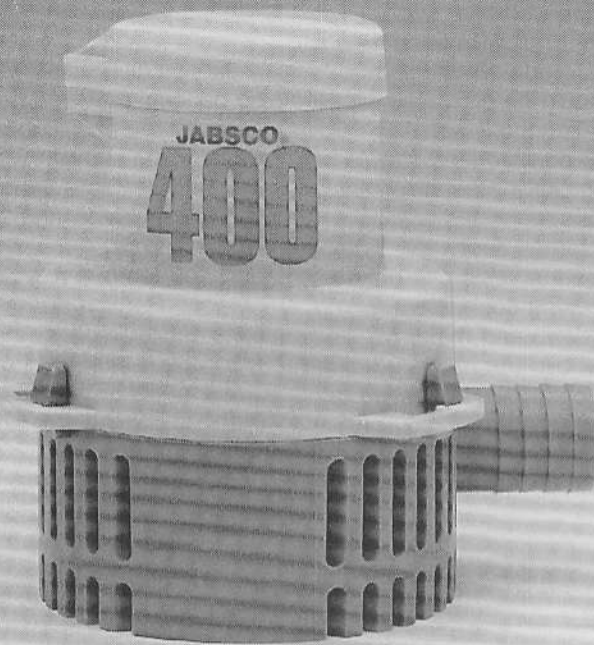
For maximum water evacuation the pump should be located in the lowest point of the bilge. Determine the best location and pump position for ease of plumbing and direct routing of discharge hose. Mark the location of the strainer base, and position of base locking tabs. Rotate pump housing counterclockwise to separate pump from base.

The strainer base may be attached to the Bilge with either small stainless steel sheet metal screws (#8 x 5/8" - 3/4" are adequate) or a quality adhesive type sealing compound.

Use screws only if you are positive bottom thickness is greater than the depth of penetration of the screws. When drilling holes it is advisable to wrap a piece of tape around the drill bit so the edge of the tape marks the maximum hole depth required. Position base and align locking tabs with position previously marked and mark position of the two mounting screw holes in the base. Very carefully drill two (2) holes where marked and secure base to bottom with stainless steel screws. Do not crack base by over tightening screws. Position the pump housing onto the base and rotate clockwise until it stops.

A quality silicone or latex based sealing compound may be used as an adhesive to secure the strainer base in the bilge. NOTICE: Do not use a polysulfide based sealant because it may cause fractures in the plastic. Ensure the area marked for mounting pump is thoroughly clean and free of oil residue. Apply a liberal amount of sealant on bottom of strainer base to 1/2" x 1/2" adhesive pads on each side of base. Press the base onto the bottom in the position marked, ensuring the base locking tabs align with their respective marked position.

Allow the sealant to cure in accordance with the manufacturer's instructions (generally 24 hours) then position the pump housing onto the base, and rotate clockwise until it stops.



DESIGN FEATURES

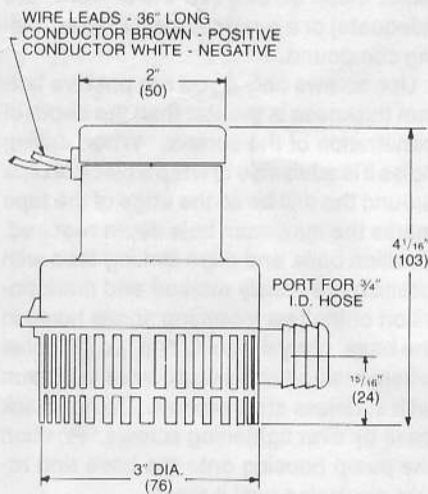
- Large Strainer Base To Protect Pump From Debris
- Low Amp Draw
- Pump Is Ignition Protected For Maximum Safety
- Stainless Steel Shaft Will Not Rust Or Corrode
- N.M.M.A. Type Accepted

PLUMBING

Submersible Bilge Pumps must be plumbed to a thru-hull fitting that remains above the waterline at all angles of heel or trim (sailboats generally discharge through or below the transom). If installing a new discharge hose, the pump will operate at its greatest capacity if bends are kept to a minimum and the overall length is as short as possible. To prevent water traps in the discharge hose, it should rise continuously from the pump to the thru-hull fitting with no dips where water can collect. Attach the $\frac{3}{4}$ " hose to the pump port (and thru-hull fitting) securely with stainless steel band clamps.

DIMENSIONS

INCHES (MM)

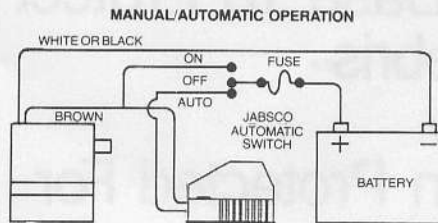
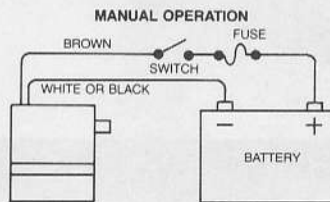


ELECTRICAL WIRING



WARNING: Fire hazard. Electrical circuits not protected with a proper size fuse or circuit breaker may cause a fire resulting in injury or death. Install a proper size fuse or circuit breaker in the positive lead as close to the power source as possible.

The Jabsco Submersible Pump may be wired for manual operation or for maximum security and versatility for both manual and automatic operation with the addition of a float switch. To ensure maximum performance, use a quality marine grade 16 gauge wire.* The circuit should be protected with a 2 1/2 amp fuse. To comply with A.B.Y.C. standards, the positive lead should be brown and negative lead white or black. They should be supported with non-metallic clamps every 18". When making wire connections use only mechanical locking connectors (crimp type or equivalent) and make all connections above the maximum bilge water level. Connections exposed to humid bilge environments may be sealed with silicone to prevent internal corrosion within the connector.



* Recommended wire size to allow no more than 10% drop in voltage.

NOTICE: Failure to follow the installation instructions can result in reduced pump performance or non-operation.

OPERATION

When installed in the lowest part of the bilge the Jabsco Submersible Pump will evacuate water down to a depth of $\frac{1}{2}$ ". If wired for automatic operation, however, this depth may vary due to the shut off limit of the control switch.

The pump can run dry periodically without damage. However, for maximum seal life, the run dry periods should be kept to a minimum.

MAINTENANCE

Jabsco Submersible Pumps require no periodic maintenance other than occasionally checking and possibly cleaning the pump strainer base. To do this, simply rotate pump housing counterclockwise and lift straight up. Inspect the strainer base and pump inlet port and remove any debris which is present. Realign pump assembly with base and push down, then rotate clockwise until it stops. When inspecting pump for debris it is advisable to check the hose connections to ensure they are tight.

**THE PRODUCT DESCRIBED
HEREIN IS SUBJECT TO
THE JABSCO ONE YEAR LIMITED
WARRANTY, WHICH IS AVAILABLE
FOR YOUR INSPECTION UPON
REQUEST.**

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