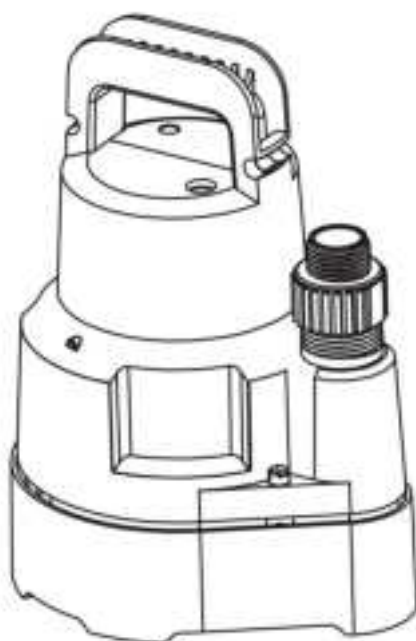


***SUPERIOR
PUMP[®]***

***INSTALLATION & OPERATION MANUAL
1/4 HP UTILITY PUMP***

***Models:
91006***



Safety Guidelines

Carefully read, understand and follow all safety instructions in this manual.

 This is the safety alert symbol. When you see this symbol, look for one of the following signal words.

⚠ DANGER Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ CAUTION Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ WARNING Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

Safety Information

Read these warnings carefully. Know the application and limitations of this pump. Failure to follow these warnings could result in serious bodily injury and/or property damage.

⚠ DANGER RISK OF ELECTRICAL SHOCK. Disconnect and lockout power supply before removing or installing or servicing this pump.

⚠ DANGER RISK OF ELECTRICAL SHOCK. This pump is supplied with a grounding conductor and grounding type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded, grounding type receptacle. For added safety, it is highly recommended to connect this pump to a GFCI (Ground Fault Circuit Interrupter) outlet.

⚠ WARNING The installation of this pump must be in accordance with the National Electrical Code (NEC), Uniform Plumbing Code (UPC), International Plumbing Code (IPC) as well as all applicable local codes and ordinances.

⚠ CAUTION Do not install this pump in any location classified as hazardous by the National Electrical Code, ANSI/NFPA70.

⚠ CAUTION Do not use this pump to pump flammable or explosive fluids such as gasoline, kerosene, etc. Do not use this pump in flammable or explosive environments. Use only with liquids compatible with pump component materials.

⚠ WARNING RISK OF ELECTRICAL SHOCK. This pump has not been investigated for use in swimming pool or marine areas.

⚠ WARNING RISK OF ELECTRICAL SHOCK. **DO NOT** use the power cord to install or carry the pump. Always use the handle. The cord may pull apart exposing bare wires which could cause a fire or electrical shock. Use the handle supplied with the pump for installing and transporting the pump.

⚠ WARNING Do not run pump dry. This pump relies on water for cooling. Running the pump dry can cause the pump to overheat and the possibility of burns to anyone that handles the pump. Running the pump dry will void the warranty.

⚠ WARNING Make certain that the electrical outlet is within the reach of the power supply cord. **DO NOT USE AN EXTENSION CORD.** Extension cords that are too long or too light do not deliver sufficient voltage to the pump motor. More importantly, they present a safety hazard if the insulation were to become damaged or the connection end were to fall into the water.

Safety Information (continued)

- ⚠ CAUTION** This pump motor is equipped with an automatic resetting thermal protector and may restart unexpectedly.
- ⚠ WARNING** Do not use this pump for potable/drinking water. Use only in applications for which the pump is designed for.
- ⚠ WARNING** This pump is not intended to pump water softener discharge (brine) or condensate. Pumping these liquids could cause damage to the pump and will void the warranty.
- ⚠ WARNING** According to the state of California (Pres. 65), this product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.
- ⚠ WARNING** Keep hands clear of suction & discharge openings. To prevent injury, never insert fingers into pump while it is plugged in.
- ⚠ WARNING** Do not handle this pump with wet hands or while standing on wet or damp surfaces or in water.
- ⚠ NOTICE** This pump is not designed as a waterfall, pond or fountain pump. Use of this pump for waterfalls, ponds or fountains will void the warranty.

Description

This non-automatic submersible utility pump is designed to remove water from flooded basements, window wells and stock tanks, etc. The permanent split capacitor motor features an oil-free design. The pump comes equipped with a 3-prong grounding type power cord.

Specifications

Feature	Model
HP	1/2
Voltage	208V/240V
Amperage	2.7
Hz	60 Hz
Phase	
Water Depth	Continuous*
Circuit Requirements	5 Amp minimum
Discharge Size	1" NPT, 3/4" GHT (not included) (see note)
Maximum Handling	1500 Gallons per hour
Maximum Liquid Temperature	20° - 40°C
Maximum Head**	22 ft (6.7 m)
Cord Length	25 feet
Motor Construction	Thermoplastic
Impeller	Thermoplastic
Shaft Seal	EPDM

*For a continuous operation, the maximum discharge should be at least 1/2" to 1" over the water.

**Use of float switch.

Installation

1. Place the pump on a solid, level surface in the water. If necessary, place bricks or patio blocks under the pump to raise it off the surface. Do not place the pump directly in mud, sand or silt or on rocky surfaces as these materials can clog or cause damage to the pump.
2. Connect a hose or pipe to the pump discharge. Use either the supplied garden hose adapter or other hose/pipe fitting (sold separately). Choose the best size hose or pipe for your application. **NOTE:** To keep friction loss as low as possible, do not use a hose that is smaller than 1/2".

Operation

1. Connect the pump to a 120 volt AC grounded outlet. The use of a GFCI is strongly recommended.
2. The pump will start pumping in approximately 1" of water and will drain down to approximately 1/4" of the surface.
3. Do not let the pump run dry. The pump depends on water for cooling and lubrication. Operating the pump without water may cause the motor to overheat or cause damage to internal pump parts. It may also shorten the life of your pump.
4. This pump is equipped with an anti-airlock hole. A stream of water will emit from this hole when the pump is operating. This is a normal feature of this pump. The anti-airlock hole should be cleaned periodically to prevent the pump from becoming airlocked.
5. The pump motor is thermally protected. It is not recommended for pump no liquids over 120° F (49° C). The thermal overload protector will automatically shut down the pump in an overheated situation. The pump will reset itself once the pump cools down. This overload is designed as a safety device and it will fail after repeated use. Normal operation is for fluids between 32° F & 120° F (0° C - 49° C).

Airlock

When a pump airlocks, it runs but does not move any water. An airlock will cause the pump to overheat and fail. This pump has an anti-airlock hole in the bottom of the pump housing. If you suspect an airlock, unplug the pump, clean out the anti-airlock hole with a paper clip or piece of wire, and restart the pump.

Maintenance

⚠ DANGER Risk of electric shock. Always disconnect the power supply before attempting to install, service or perform maintenance on the pump.

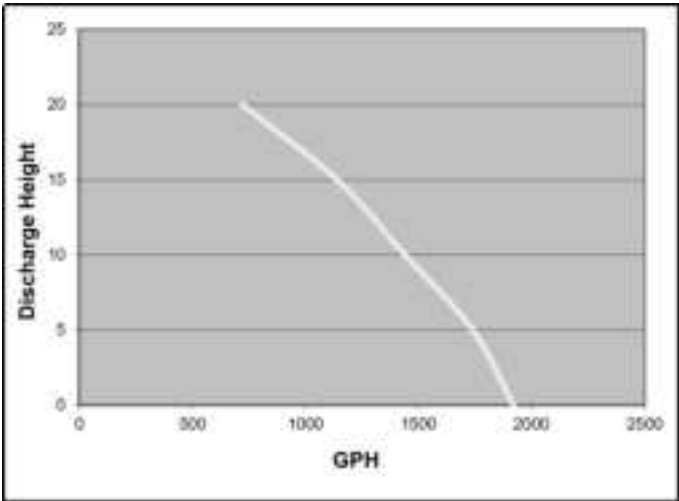
⚠ WARNING All repairs must be made by an authorized service center.

⚠ CAUTION Allow the pump to cool for 24 hours before servicing.

1. The pump motor is hermetically sealed in the housing and does not require any service. Disassembly of the motor housing or modification of the power cord voids the warranty.
2. Periodically check the intake for obstructions. Clean if necessary.
3. Inspect the impeller for signs of wear and obstructions.
4. Inspect the power cord for signs of damage or wear. Do not operate the pump if the cord is damaged or worn.

Performances

Height, pipe diameter restriction and hose length will reduce the pump output performance. It is recommended to use the same size or larger pipe / hose as the pump discharge for optimum performance. The performances listed below were obtained by using 1" pipe. The use of a garden hose will reduce the output depending on size and length of hose used. To keep friction as low as possible, hose must be 1 1/2" or larger. Use the shortest length of hose possible for your application.



Model	Discharge Height	3'	5'	10'	15'	20'
91306	Gal ons Per Minute	32	29	24	19	12
	Gal ons Per Hour	1920	1740	1440	1140	720

Troubleshooting

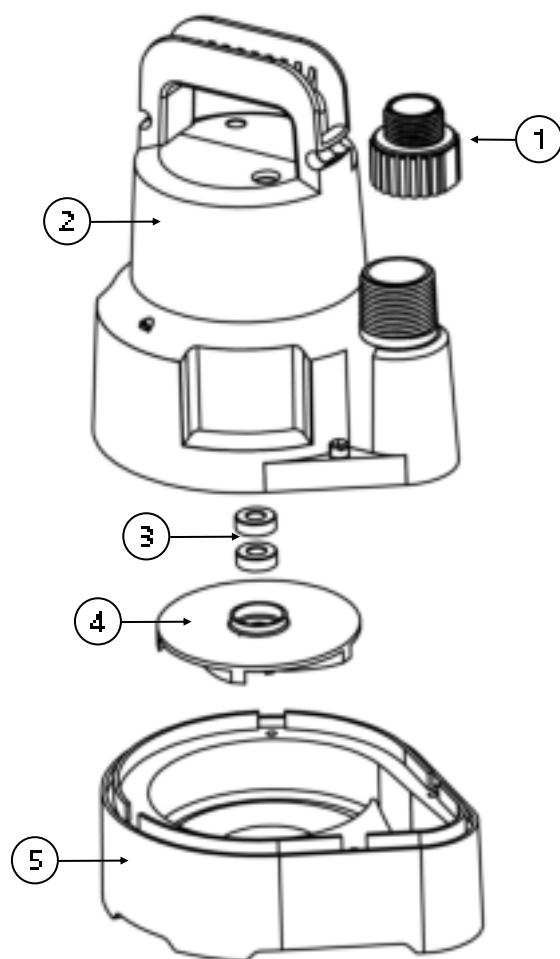


Risk of electric shock. Always disconnect the power supply before attempting to install, service or perform maintenance on the pump.

PROBLEM	POSSIBLE CAUSES	HOW TO CORRECT
If the pump does not start or run	Pump is not plugged in, switch or breaker is off	Plug pump in or turn on switch/breaker
	Check for blown fuses or tripped circuit breakers or tripped GFCI outlets	Replace fuse, reset breaker, reset GFCI outlet
	Motor thermal protector tripped	Allow pump to cool. Pump will automatically reset
If the pump runs but moves little or no water	Clogged intake screen	Clean screen
	Clogged discharge hose/pipe	Remove clog
	Impeller obstructed	Remove obstruction/debris
	Frozen discharge hose/pipe	Allow hose/pipe to thaw
	Pump is air locked	Clean out air/airlock hole with a paper clip or pipe cleaner
	Low line voltage	Check wire size and increase if necessary
	Worn, damaged or clogged pump parts	Inspect for wear, damage or clog and clean or replace if necessary
	Discharge head exceeds pump capacity	If pumping height is over 23', the pump will not move water. See performance chart

Replacement Parts

91006



Ref#	Description	QTY/Kit
1	GHT Adapter	999033
2	Motor	999034
3	Shaft Seal	999042
4	Impeller	999075
5	Base	999142

If motor fails, replace the pump.

For Parts or Assistance, please call 1-800-495-9278

LIMITED WARRANTY - JILITY PUMPS

Superior Pump warrants the 9 values specified in this warranty to be free from defects in material or workmanship for a period of 90 days from date of purchase. During the time period and beyond, the items and vendors shown on this warranty shall be replaced free of charge, subject to our warranty provision of the last sentence, provided that the defective unit is returned to our service center at all times. Superior Pumps will have the right to select and replace the defective unit without replacement of any defective equipment parts or components. Superior Pump has the right to impose any product return conditions that apply to the unit. This warranty applies before and after the agreement under warranty is approved. This warranty is for the Superior Pumps sales obligation in the United States only and does not apply to products sold outside the United States. ©2014 Superior Pump, Inc. 800-455-9875.

WARRANTY PERIOD - 30 DAYS

* Within the duration of product use by the original user, this product proves to be defective even though it is not damaged, the product shall be repaired or replaced at Sabotier Pumps' option, subject to the user's and vendor's consent. Further, in any event, a statement of "proof of use" is required for warranty consideration. In the absence of a valid proof of use, warranty shall be effective period of 12 months up to 2 months from the product's latest manufacturing date.

ASX ETC. COSTS.

Superior Pump et la "NFC EVENT" Le responsable est l'alle le propriétaire de l'édifice, ainsi que les charges de la propriété, comme l'entretien et la réparation, l'assurance, etc.

ROAD IMPROVEMENTS

Superior Pump warrants the right to a range of new use in products and applications the user will not be obligated to disclose, and the user agrees to provide a written acknowledgment of the use of the product in the event of a new product or application.

GENERAL TERMS AND CONDITIONS

This warranty shall not apply to our fans due to acts of fire, normal wear and tear, or any maintenance or service and the parts used in connection with such warranty, including, but not limited to, the center of Super Pump, nor shall it apply to products which, in the sole judgment of Super Pump, have been subject to negligence, abuse, or other modification, tampering, or other action not due to improper installation, existing maintenance or use, or the effect of improper and maximum use set forth in the instruction manual. Warranty will be VOID if a fan is to be used in a manner not as intended.

- Product is used for purposes other than those for which it was designed or manufactured.
- Product not installed in accordance with applicable codes, or in a wet and/or high speed fluid practice.
- Product exposed to a range other than a stated or manufacturer label.
- Part exposed to a fluid limited to the following: sand, gravel, concrete, gypsum plaster, mud, soil, sludge, or water. Water is not a corrosive fluid.
- Part has been used for swimming (water above 120°F).
- Part has been used in contact with a fluid source out of

WISJIMER

Any oral statements about the product made by the Seller, Superior Pump, the representative, or any other party, do not constitute warranties or affect the liability of the Seller, who is not part of the contract for sale. Sellers are Superior Pumps or its designees, and buyers will be held to the representation made by Superior Pump of the product as described above. NEITHER SELLER NOR SUPERIOR PUMPS SHALL BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES) RESULTING FROM THE USE OR HEAVILY ABUSE OF THE PRODUCT, AND THE USER AGREES THAT NO OTHER REVENUE SHALL BE AVAILABLE TO IT. Before using, the user must determine the suitability of the product for their intended use and user assumes all risk and liability whatsoever in connection therewith.

THE WARRANTY AND REMEDY DESCRIBED IN THE LIMITED WARRANTY IS AN EXCLUSIVE WARRANTY AND REMEDY AND IS IN LIEU OF ANY OTHER WARRANTY OR REMEDY, EXPRESSED OR IMPLIED, WHICH OTHER WARRANTIES AND REMEDIES ARE HEREBY EXPRESSLY EXCLUDED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, TO THE EXTENT EITHER APPLIES TO A PRODUCT SHALL BE LIMITED IN DURATION TO THE PERIODS OF THE EXPRESSED WARRANTIES GIVEN ABOVE.

Some states and countries do not allow the execution of individuals who have a "diminished capacity" or implied "sanctity" based on the exclusion of a portion of the brain or conscious mind. In some cases, the above exclusion of the "bottom" may be applied to the "top" as well. This is not a simple matter and is subject to debate. It is not a simple matter and is subject to debate.