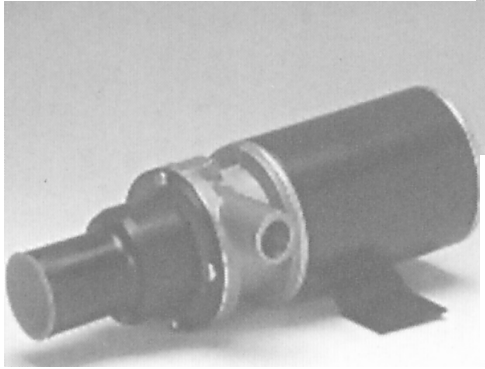


MACERATOR PUMPS:

Certificate da ISO 8846-Direction CE94/25N°3016808



- Bronze macerator (available also in the version stong plastic) and rubber im peller discharge pump
- Macerates and discharge waste and waste mixtures.

550000912/24 550001112/24	500001012/24
<ul style="list-style-type: none"> - Self priming up to 0.6 mt vertical lift. - 43 LPM output at 3 mt. total head - CAPACITY: 43 lt./ min - Amp draw :12A voltage 12V. - Amp draw :6A voltage 24V - Dimension :240x130x90mm. 	<ul style="list-style-type: none"> - Self priming up to 1.2 mt vertical lift. - 47 LPM output at 3 mt. Total head - CAPACITY: 47 lt./ min - Amp. Draw :18A. Voltage 12V - Amp Draw: 9A. Voltage: 24V

INFORMATION ABOUT PUMP APPLICATION

Our macerator pumps are suitable to empty marine holding tanks when not in a discharge restricted area.

The pump macerator is self-priming up to a 6' lift when impeller is wet or 4' if it is dry, and may be mounted in any convenient point in the waste discharge system.

The macerator section grinds waste down to a very small particle size, so that it can be easily pumped through a 1" ID discharge hose. The brass pump section is self-priming and this allows the unit to be mounted above the tank in any convenient location (for an excellent efficiency, provide for pump location as close to holding tank as possible). It will take less than 3 minutes for the macerator to pump down a typical 30 gallon holding tank. This pump will not handle hard solid objects, sanitary napkins or rags.

Motors meet CE Electrical standards.

OPERATING AND MOUNTING INSTRUCTIONS

The macerator should be controlled by a momentary switch positioned close enough to the pump, so that it can be heard while operating.

When the tank is empty there will be a change in the pump noise (louder and higher frequency), at which time the macerator should be immediately switched off. The macerator pump unit has been designed to handle waste and toilet tissue. It will also handle solid objects such as cigarettes, cigars, and small chunks of soft fruits or vegetables. The holding tank and the pump should be flushed with much water after each pumpout. Do not run pump dry longer than 30 seconds or impeller and pump damage may result. Make sure the battery is fully charged.

The dc motor is suitable only for intermittent duty and should not be run for more than 15 minutes continuously.

After long periods of non-use, the flexible impeller may stick to the pump body preventing the macerator pump from turning freely. If this occurs, it should be disassembled, cleaned and assembled again.

Installation instructions. Regarding plumbing connections, use 1-1/2" ID non collapsible (radiator type) suction hose.

Secure all hoses with proper hose clamps.

Notice: an air leak anywhere in the suction side of the plumbing system can cause an extended dry running which may result in damage to the impeller and pump.

All suction connections must be airtight and free from sharp bends or restrictions. If a waste deck fitting (for dockside pumping) is installed, it too must be airtight to ensure a proper priming.

Be sure there are no leaks around the deck plate cap or hose tail.

Use minimum 1" ID hose for discharge and connect the thru-hull fitting located approximately 4-6" above water-line.

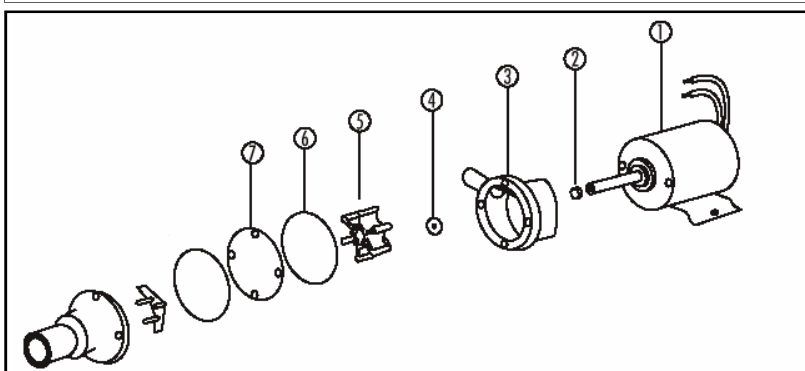
Notice: the discharge thru-hull may be positioned below the water-line only if the discharge hose has a vented loop fitting installed at least 8' above the water-line at all angles of heel or trim.

Consult with a qualified marine plumber.

As to wiring connections, remember to keep correct motor polarity (that is red to positive and black to negative). Reverse polarity can damage the motor and void warranty.

A full voltage of the motor is required to properly operate the macerator. It must be wired in a circuit which is independent from all other accessories, following the electric chart herebelow. Also remember to mount a fuse, as per specs. chart.

In case of heavy duty, connect a momentary switch having the proper amperage rating next to the macerator, enabling the operator to hear the macerator while running.



SPARE PARTS:

- 10) 600000912/824 MOTOR 12/24 V.
- 2) 5500000005 MACERATOR KIT (3 - 5 - 6 - 7 - 11)
- 3) 6000001112 IMPELLER
- 7) 6000001501 SEAL
- 2) PL000MC002 MACERATOR PROPELLER

N.B.: In the maxi version the motor has the following code 6000001012/24