

# Uniflo-Products Ltd

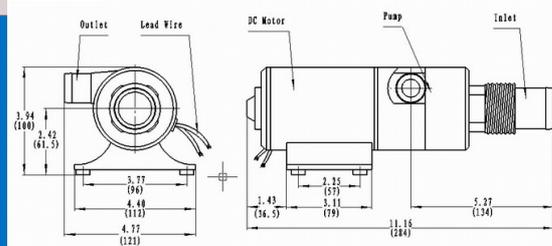
## Sanitary Waste Pumps



### General Installation Information SurgeFlo Model MP-4500

#### MARINE MACERATOR PUMP

This pump is designed specifically for sanitation waste and fish box evacuations. This high powered pump incorporates a high quality motor with a new seamless shell and splash proof design. The macerator features a premium impeller design and includes O-ring sealed end bells with a manual turn key to withstand the harsh marine environment. Dual blade and housing construction ensures problem free pumping, providing superior performance while delivering up to 45Lmp (12Gal).



#### Technical Data:

12GPM (45.00LPM)

Self Priming (3ft-wet, 2ft-dry), Seamless Motor Shell, O-Ring Shaft Seal, Heavy Duty Shaft Seal, Manual Turn Key, Innovative Internal Housing Design, Dual Blade, Premium Impeller, Ignition Protection, Thermally Protected

Available 12, 24 Volt.

#### Installation.

The pump can be mounted Horizontally or Vertically.

The pump can be screwed directly in to a female tank flange or pipe fitting, use PTFE type tape for a water proof seal, hand tighten only. Please ensure all pipe connections are water/ air tight.

If connecting the pump via Marine hose, the following sizes apply: front inlet 1-1/2" (or 38mm) side outlet 1" (or 25mm).

secure the hose with a jubilee clip.

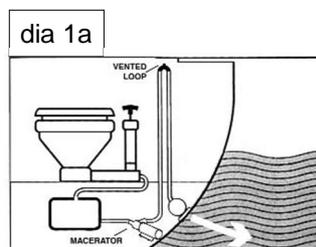
For high operational performance and prolonged pump life we recommend the installation of the pump should be as close to the holding tank as possible preferably below the tank water line, (See dia 1a).

It is recommended that the electrical switch is located nearby, when the pump has emptied the tank the pump should be turned off as soon as possible.

#### ELECTRICAL CONNECTION

From the battery terminal ways fit a inline fuse on the positive side, fit a suitable on/off switch after the inline fuse, then connect to the pump.

From the battery terminal on the negative side, connect straight to the pump, (See dia 2a).



If the discharge is below the vessel waterline a vented loop in the hose should be installed. If unsure consult a marine plumber for advise .

For further advice and sales  
[www.unifloproducts.co.uk](http://www.unifloproducts.co.uk)

