

The *Environmental* Solution to Clean and Safe Waterways

Australia's own...
**DOCKSIDE
DISCHARGE
PUMP**
- Heavy Duty Model



 **MARINE SANITATION PTY LTD** 
ABN: 58 114 891 673

Helping you to a Cleaner Environment

...providing a service to help m

The discharge of sewage from vessels contributes to reduced water quality, poses a human health risk and decreases visual aesthetics of waterways.

Environmental protection laws continue to be introduced throughout Australia to prevent the discharge of raw human sewage into the sea, waterways, rivers and lakes.

Through most of Australia it is now law for the operator of any commercial marina to provide adequate and readily accessible waste collection facilities for use by all vessels moored at that marina.

If this is not already in force where you operate...be sure, it's coming!

As a result of continued legislation changes, the increased demand for sewage collection facilities coupled with the rising volume of waste for disposal, has led to the development of the 'Heavy Duty' Dockside Discharge Pump.

The Heavy Duty Pump can easily empty up to a 600 litre holding tank in only three minutes, giving it enough power and speed to cater for a variety of vessels, and remain efficient during peak periods.

Ensuring that adequate waste disposal facilities are available for all vessels will not only protect marina operators from hefty fines, but will also help preserve our waterways for the future.

Marine Sanitation Pty Ltd is a specialist marine plumbing business operating from Hastings, Victoria. Our experience and knowledge gained installing marine holding tank systems led us to the development of the Dockside Discharge Unit - Heavy Duty Model.

Features include: - Marine grade stainless steel cabinet, compact fuel bowser size - Powerful Australian made 240 volt electric motor - Heavy duty helical rotor pump with 316 stainless steel helical rotor and nitrile stator - Heavy duty suction hose with bronze NATO style camlock connection - Saltwater wash down pump with retractable hose - Optional electronic token operation - 12 month Australia-wide warranty with reliable spare parts availability - Attractive pricing.

CABINET

- Marine grade 316 stainless steel cabinet with fine brushed finish.
- Base area less than 0.3 of a square metre.
- Lockable access door.
- Size: 900mm wide x 400mm deep x



SUCTION HOSE

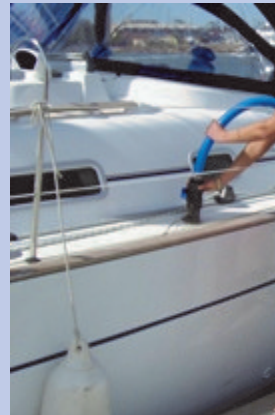
- 10 metre length, 38mm diameter, heavy duty suction hose.
- Crush resistant and petroleum resistant.
- Vacuum rating exceeds 90Kpa.
- Ball valve to close on completion of operation.
- Bronze NATO style camlock for easy

SUCTION PUMP

- Large 40mm heavy duty helical rotor pump with 316 stainless steel helical rotor and nitrile stator.
- Delivers 132 litres per minute at zero head.
- Soft start motor, 2.2KW or 3HP, 240V, 50 Hertz and 16.8 Amps.

OPTIONS

- Explosion proof motors for installations in close proximity to petrol or LPG dispensing units.
- Token operation in lieu of manual operation.



1. Connect suction hose to camlock provided.
2. Open ball valve at end of hose.
3. Ensure switch is to 'ON' position and operate for three minutes. (Typical holding tank capacity for most boats is approximately 600 litres.)
4. When suction pump stops, close ball valve and return to cabin.
5. Salt water wash-down pump should operate for three minutes should opera

make Australian waters cleaner!



SALT WATER WASHDOWN PRESSURE HOSE

- 15 metres of 12mm safety pressure hose.
- Tough non corrosive retractable hose reel.
- Industrial quality nylon, trigger action power nozzle.

SALT WATER WASHDOWN PRESSURE PUMP

- Single stage jet assisted.
- Made from highest quality corrosion resistant materials.
- 19mm connections inlet and outlet.
- 3 metres of 19mm heavy duty suction hose with polypropylene strainer and

SWITCH AND ELECTRONIC CONTROLS

- Switch activates three minute suction pump cycle and a further three minute wash-down hose cycle.
- Adjustable times to both functions.
- All electronics enclosed in water tight control box.
- Main isolating switch mounted inside cabinet.

INSTALLATION

- Install the unit in a convenient position for both access for boats and connection to sewer.
- Connect unit to sewer via:
 - up to 10 metres using 50mm pipe
 - up to 20 metres using 60mm pipe
 - up to 30 metres using 75mm pipe
 - up to 40 metres using 90mm pipe
 - over 40 metres using 100mm pipe
- Contact your local sewerage authority for local requirements
- Shipping weight is 126kg, dry
- Advice and assistance on installations available

OPERATION

...e to waste deck plate of vessel using

...nd of suction hose.

...ON' position - suction pump will
...utes pumping approximately 600
...ng tank capacity for recreational
...ly 200 litres).

...stops, close ball valve, remove hose
...et.

...n hose will operate for a further three
...ator require.

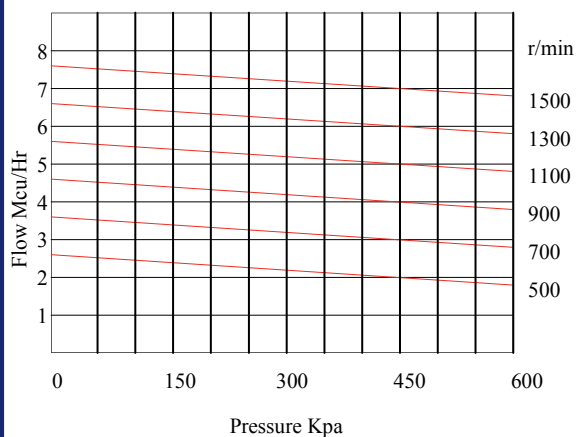
TYPICAL BOAT REQUIREMENT

Up to a 600 Litre holding tank will require 1 x 3 minute cycle. Many boat owners will have a tank flushing cock allowing a rinse and a further 3 minute cycle. Only takes 6 minutes for a complete pump-out and flush!

SUCTION PUMP PERFORMANCE

Solids Handling Capacity

Soft & Compressible 16mm random solids
Hard Angular 4mm random solids



Special Features

Foreign Object Protection

The *Heavy Duty Model* is also fitted with a 316 stainless steel bucket trap to trap foreign objects, such as cigarette lighters, perfume bottles and other foreign items that find their way into the sewerage.

Run Dry Protection

The *Heavy Duty Model* is fitted with 'Run Dry Protection'. This is a device to save the pump burning out its stator, should the unit be run dry.

Also Available...

Dockside Discharge Unit- Standard Model



ABN: 58 114 891 673

Helping you to a Cleaner Environment



Manufactured in Australia by:

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ABN 58 114 891 673

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