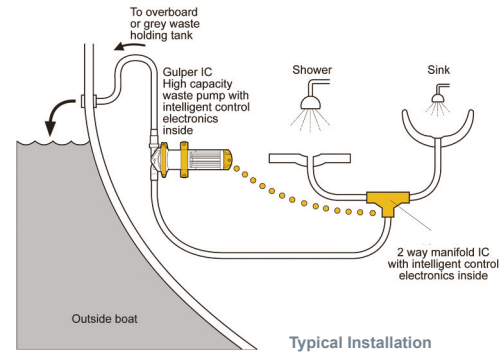


Grey IC



Automatic Grey Waste System - manages waste from multiple drains

Whale Grey IC shower waste systems have intelligent control electronics built in ensuring that the pump operates only when required. Includes Gulper® IC and 1" (25mm) Two Way Manifold IC with 4m (12ft) of cable



Unique Intelligent Control means that Gulley IC Kit is all you need to manage waste from multiple drains through one pump

Electrical signals are sent from the Two Way Manifold IC only when grey waste water needs to be pumped out.

IC built in intelligent control microprocessor electronics sealed for protection against water ingress

Secure fit new wrap around mounting feature



Features and Benefits

Why Grey IC?

- One pump automatically handles waste from your shower on board - no manual switches required
- Ideal for installation where you don't have space for a grey waste tank
- Easy installation - pre wired plug and play kit
- Reliability - No moving parts to clog

Gulper IC - Automatic control

- One pump handles waste from multiple drains
- Fast drainage - high capacity up to 19 ltrs (5 US gals) /min
- Long life - Self primes and can run dry
- Soft start - protects the pump
- Easy to install - including uneven surfaces
- Optimal drainage - Built in time delay
- Low current controlled switching - no switch failure from high currents

Two Way Manifold IC

- Fully automatic handles waste from multiple drains as required.
- Senses waste level through wall - not in contact with water
- Removes the need to install a bulky grey waste tank
- Service free - No moving parts to clog or burn

1 Year Warranty

Tips

It is important to ensure that a vented anti-syphon loop is incorporated in the system

Awards and Accreditations

- IBEX Innovation Award 2010 – Special Mention.
- DAME Innovation Award 2010 – Special Mention.



Awards and Accreditations

- Ignition protection ISO8846
- CE marked
- IP45 rated



Product Information

Model Specifications

Model	Grey IC	
Product Code	WM8284	WM8484
Voltage	12 V d.c.	24 V d.c.
Voltage Range	10 to 13.6 V d.c.	21.6 V d.c. to 27.2 V d.c.
Current profile	Soft stop/ start	
Recommended fuse Size (Automotive)	10 Amp	5 Amp
Minimum Wire Size	1.5mm (16 AWG)	
Weight	1.6 kg (3.5 lbs)	
Maximum Suction Lift	3m (10ft)	
Maximum Discharge Head	3 m (10 ft)	
Maximum Discharge head and Suction life combined	4m (12 ft)	
Hose connections	barbed connections 3/4" (19mm) and 1" (25mm)	
Materials	Pump head- Glass-filled Nylon, Valves, and Diaphragm - Santoprene®, clamp ring Acetal, Feet - EPDM, Gear wheel- Delrin®, fasteners Stainless Steel	
Materials in contact with fluid	Glass-filled Nylon, Santoprene®, Stainless Steel	
Service Kit (available Separately)	AK2050- Replacement Pump Head IC	
Accessories	none required	

Performance Data

	0m (0ft)	0m (0ft)	1m (3ft)	1m (3ft)
19 ltrs (5 US gals)	0m (0ft)	0m (0ft)	1m (3ft)	1m (3ft)
Discharge Head	1m (3ft)	1m (3ft)	1m (3ft)	1m (3ft)
Hose size	3/4" (19mm)	1" (25mm)	3/4" (19mm)	1" (25mm)
Flow Rate/ Minute	19 ltrs (5 US gals)	17.5 ltrs (4.6 US gals)	17.4 ltrs (4.5 US gals)	15.5 ltrs (4.1 US gals)
Current Draw (12 V d.c.)	7.5 amps	8 amps	7.5 amps	8 amps
Current Draw (24 V d.c.)	3.25 amps	4 amps	3.25 amps	4 amps

Note: These specifications are retail items only.

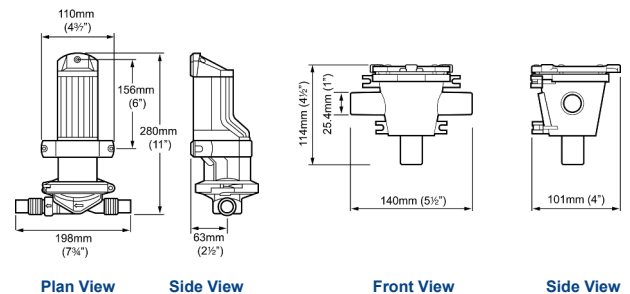
For details of our bulk pack range for boat builders and wholesalers - contact Whale Support.

YOU MAY ALSO LIKE

Gulley IC – Automatic Grey waste pump kits with Gulley IC - automatic intelligent control built in

Bilge IC – Pre-wired Easy Access Remote Mounted Bilge System (4 in 1) with automatic intelligent control built in

Supersub Smart – Automatic Narrow Low Profile Bilge pump with intelligent control built in



Performance Data

Manifold IC	
Cable Length	4m (12ft)
Hose Connections	1" (25mm)
Control Voltage	5V d.c. via Gulper® IC
Current Draw	Low power 0.01 amps supply
Connectors	IP68 Waterproof Quick Connect 7 way (directly onto Gulper® IC)

MUNSTER SIMMS ENGINEERING LIMITED AND WHALE WATER SYSTEMS INC

(a subsidiary of Munster Simms Engineering Limited) ("Company")

STATEMENT OF LIMITED WARRANTY

The products manufactured and supplied by the Company ("Products"), are warranted to be free from material defects in design, workmanship and material under normal use ("Defects") for (unless otherwise extended in advance in writing by the Company) a period of 12 months from date of purchase, save that this warranty shall not apply where the Defect is attributable to defective materials supplied by third parties. In such event, the only remedy of the buyer of the Products ("Buyer") will be against that third party. This warranty applies only to Products that are properly installed and used in accordance with all oral and written maintenance and operation instructions provided by the Company. The Company shall not be liable for a breach of any of the warranties in this Statement of Limited Warranty if the Buyer makes any further use of the Products after giving the Company notice of any Defect or the Buyer alters or repairs such Products without the written consent of the Company. Products that have been disassembled or modified (without prior written approval of the Company), are not covered by this warranty.

All Products are covered by a 1 year limited warranty (detailed below) from (unless otherwise extended in advance in writing by the Company) date of purchase ("Standard Warranty"). In addition to the Standard Warranty, some individual Products are covered by a further warranty, as detailed in Table 1 below ("Additional Warranty").

In the event that any of the warranties offered by the Company are breached, the Company shall (at its discretion) repair, replace or issue a spares kit for the defective Product subject to prior examination at Company premises. If the Company complies with this paragraph, it shall have no further liability for a breach of the warranties in respect of such Products. Adjustment or replacement of defective parts made under this warranty will not extend the warranty period applicable either under the Standard Warranty and/or the Additional Warranty. The Company shall not bear any costs of removal, installation, transportation, or other charges that may arise in connection with a warranty claim by the Buyer. Such costs shall be the Buyer's sole responsibility. No claim in respect of defective Products will be valid unless the alleged defective Products are returned at the Buyer's expense to the Company for inspection, together with proof of purchase. Non-stock/ special order items are non-returnable by the Buyer in any circumstances, and this warranty does not apply to prototype models.

EXCLUSIONS:

The Company shall not be liable for any indirect loss or for any special, incidental, punitive or consequential damages suffered by the Buyer and/or any third party, whether this loss arises from breach of a duty in contract or tort or breach of a statutory duty or in any other way, including, without limitation, loss arising from the negligence, default, breach of duty, non-delivery, delay in delivery or defects or errors in the work undertaken by the Company pursuant to the terms of this Statement of Limited Warranty or in connection with any other claim arising in connection with manufacture and/or supply of the Products. In particular, the Company shall not be liable (without limitation) for:

- Loss of profits, increased production costs or other economic injury or loss;
- Loss of contracts or opportunity; and/or
- (insofar as is permitted by applicable law) damage to property of the Buyer or any third party.

The Company shall under no circumstances be liable for any breach of its obligations hereunder and/or under any contract governing sale and purchase of the Products ("Contract") resulting from causes beyond its control including but not limited to fires, strikes, lockouts, insurrection or riots, terrorism or civil disorder, embargoes, wrecks or delays in transportation, requirements or regulations of any governmental authority, tempest, earthquake or other natural disaster, flood, bursting or overflowing of water tanks, failure or shortage of power, fuel or other utilities, or loss of data and/or communications due to causes such as those referred to in this paragraph.

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Please note that by contacting Whale Support you will be indicating your consent to receiving product updates, recall information, help guides and appropriate marketing messages from us via post, email or telephone unless you indicated an objection to receiving such messages.

Santoprene® is a registered trade name of Advanced Elastomer Systems, LP, an Exxonmobil Chemical Affiliate Delrin®, Teflon® and Neoprene are registered trade names of Dupont Neumeurs and Co. Monprene® is a registered trade name of Technore Apex

Powerboat photography courtesy of Fairline Boats PLC and Riviera Yachts.

This statement sets out the Company's entire liability in respect of the Products and the Company's liability under this statement shall be in lieu of all other warranties, conditions, terms and liabilities, express or implied, statutory or otherwise howsoever except any implied by law which cannot be excluded. All warranties, conditions and other terms implied by statute or common law (save for the conditions implied by section 12 of the Sale of Goods Act 1979) are, to the fullest extent permitted by law, excluded from the Contract.

Subject to the remaining provisions of this Statement of Limited Warranty, the Company's total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation, restitution or otherwise, arising in connection with the performance or contemplated performance of the Contract and supply of the Products shall be limited to the Contract price.

Nothing in this Statement of Limited Warranty shall operate so as to exclude or restrict the Company's liability for death or personal injury caused by its negligence. The Company shall NOT be liable for any condition, warranty or representation made by a distributor or other person acting on behalf of the Company unless expressly confirmed by the Company in writing. This Statement of Limited Warranty shall be governed and construed in accordance with Northern Irish law and all disputes arising in connection hereto shall be submitted to the exclusive jurisdiction of the Northern Irish Courts.

Table 1:

Product type	2 years	3 years	5 years	10 years
Universal Series Pump	✓			
Chromed metal taps (TT)	✓			
Smartbail Bilge Pump		✓		
Orca Bilge Pump		✓		
Supersub Bilge Pump		✓		
Water Heater		✓		
Manual Bilge Pump			✓	
Manual Freshwater Pump			✓	
Manual Toilet Pump			✓	
Quick Connect Plumbing fittings				✓
WhaleX tubing				✓

The period of such Additional Warranty shall commence automatically the date the Standard Warranty expires.

Note that these periods may be further enhanced through special offers, or revisions. Please see your product documentation for details.

* Applies to BE: 0500, 0950, 1450 & 1454 only. All other Orca variants have a 1 year warranty. The period of such Additional Warranty shall commence automatically the date the Standard Warranty expires. Note that these periods may be further enhanced through special offers, or revisions. Please see your product documentation for details.

DISCLAIMER

All Products are rated and appropriate for use with water unless otherwise specified by the Company. Compatibility and suitability for other liquids should be verified in writing by the Company prior to such use. All specification information on Products included in Product literature is based on tests using clean cold water unless otherwise specified. Any performance / specification figures shown have been calculated using standard testing procedures. Where maximum output is stated, such maximum output refers to pumps acting at zero lift and zero head. Actual performance may vary depending on the application, installation and environmental factors. Neither the accuracy nor completeness of the information contained in any Product brochure is guaranteed by the Company and may be subject to change at its sole discretion. The Company may, at its sole discretion, change the technical performance, dimensions or appearance of any of its Products without prior notification to purchasers. The Company shall not be liable to a purchaser for any indirect or consequential loss or damage (whether for loss of profit, loss of business, depletion of goodwill or otherwise), costs, expenses or other claims for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the use of a Product. Where dimensions are stated, such dimensions are for guidance only. Inch measurements are conversions from millimetre dimensions and are shown to the nearest 1/16". US gallons volumes are conversions from litres and are also shown for guidance purposes only to the nearest 1/16. Please contact the Company directly if precise measurements are required.