



Marine 2006



Whale Water Systems has a long history of product quality, and customer orientation and have led innovation in fluid and water management in the marine world for decades.

Today, we maintain our position at the forefront of the industry applying sophisticated manufacturing technology coupled with the latest design techniques. All Whale products are designed to meet specific system requirements with practicality and ease of installation being central considerations.

Whale's reputation for product innovation has been independently recognised by awarding bodies in both USA and Europe. Our extensive product range covers freshwater, grey, bilge and black waste applications.

Our core values of customer service, product support and value for money have remained constant since the company's foundation in 1810. The Whale brand has built a reputation for representing quality and reliability.

A worldwide distribution network has ensured that wherever Whale products are in demand, they are available.

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## Award Winning Design and Innovation

Our company aims to consistently provide the highest quality products and customer service, delivered through efficient engineering and production processes. Our success has been recognised through gaining BS EN ISO 9001:2000, Quality Management Standard and ISO 14001:2004, Environmental Management Standard. Whale Water Systems is a proactive member of the marine industry.

Our memberships include:

ABYC (American Boat and Yacht Council)

NMMA (National Marine Manufacturers' Association)

BMF (British Marine Federation)

## Whale CE Approved

All Whale electrical products have the appropriate CE Mark, hence conforming to the relevant European Union Standard.

It is not advisable to install electrical products which do not carry the CE Mark.

## Whale Trade Names

Whale®, Gusher®, Gulper®, Babyfoot® are registered trade names of Munster Simms Engineering Limited, Bangor, Northern Ireland.





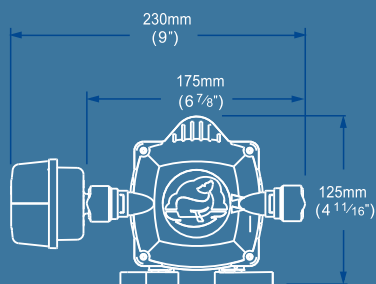
**section**  
Freshwater Systems



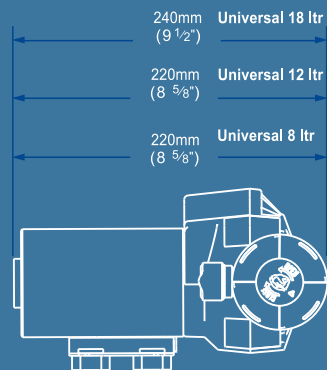
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**Universal**  
2 Year Warranty



**Front View**



**Side View**

## Universal

### Automatic Freshwater Pressure Pump Range

- Universal mounting arrangement fits any existing installation
- Smooth constant flow
- Runs dry without damage
- Quiet operation
- Suitable for pumping saltwater and freshwater
- Three models of 8 ltrs (for 2 outlets), 12 ltrs (for 4 outlets), and 18 ltrs (for 6 outlets) flow rates per minute
- Extra protection and safety with wires and pressure switch housed internally
- Self-priming up to 3 m (10 ft)
- Inlet strainer included

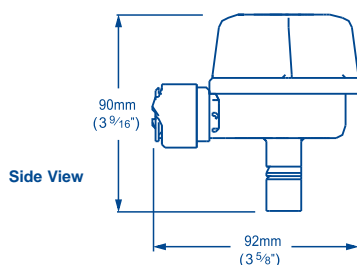
### Model Specifications

Model	8 ltrs (2.2 US gals) Model		12 ltrs (3.2 US gals) Model				18 ltrs (4.75 US gals) Model	
Product Code	UF0812	UF0815	UF1212	UF1214	UF1215	UF1225	UF1815	UF1825
Open Flow Rate per Minute	8 ltrs (2.2 US gals)		12 ltrs (3.2 US gals)				18 ltrs (4.75 US gals)	
Voltage	12 V D.C.					24 V D.C.	12 V D.C.	24 V D.C.
Recommended Fuse Size	5 amp			8 amp		4 amp	12 amp	8 amp
Weight	2.4 kg (5.3 lbs)						2.9 kg (6.4 lbs)	
Hose Connections	Whale Quick Connect 15 mm Female For ½" Flexible Hose Use WX1584 (supplied with pump) For ¾" Flexible Hose Use WU1215 + WU1280 (not supplied with pump)						¾" Male Threaded Connections	
Connection to Quick Connect 15 mm Plumbing	NO ADAPTOR REQUIRED For Other Systems - Contact Whale						For Whale Quick Connect 15 mm Use WX1542 (not supplied with pump)	
Additional Fittings	½" BSP Male Adaptors WX1587 x 2 (supplied with pump) ½" Flexible Hose Adaptors WX1584 x 2 (supplied with pump)						¾" Flexible Hose Adaptors x 2 (supplied with pump)	
Minimum Wire Size	2.5 mm² (13 AWG)							
Cut Out Pressure	1 bar (15 psi)	3 bar (45 psi)	1 bar (15 psi)	2 bar (30 psi)	3 bar (45 psi)			
Materials	Pump Body: Glass-filled Polypropylene, Motor Casing: Aluminium, Power-coated Steel Diaphragm, Valves, Feet: Monprene®, Seals: Nitrile, Fasteners: Stainless Steel							
Materials in Contact With Fluid	Glass-filled Polypropylene, Monprene®, Nitrile, Stainless Steel							
Service Kits	AK1316 - Replacement Head		AK1317 - Microswitch		AK1319 - Replacement Strainer			
Maximum Suction Lift	3 m (10 ft)							
Maximum Discharge Head	10 m (33 ft)	30 m (98 ft)	10 m (33 ft)	20 m (66 ft)	30 m (98 ft)			

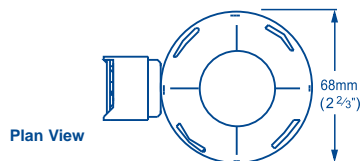
## Universal Strainer

### AK1319 - Replacement Strainer for Universal Pressure Pump

- Easily maintained without disconnecting from pipework
- Clear lid for easy inspection
- Ideal for use by attaching directly to freshwater pumps
- Fully compatible with Whale Quick Connect 15 mm
- Prevents debris from entering the pump



**Side View**



**Plan View**

## Pressure Pump Strainer

### FV2060 – Pressure Pump Strainer For Direct Connection To 13 mm (1/2") Plumbing Systems

- Easily maintained without disconnecting from pipework
- Clean bulb for easy inspection
- Ideal for use with freshwater pumps
- Prevents debris from entering the pump



FV2060

Strainer

Pressure Pump Strainer  
1 Year Warranty

## Pump Accumulator Kit

### Integrated Pump and Accumulator System

- Easy to install
- Moulded base allows the kit to be fitted as one unit
- Reduces pump cycling
- Ensures a smooth and constant flow of water
- Fully compatible with Whale Quick Connect 15 mm plumbing
- Compact design
- Integrated pump and accumulator system
- Inlet strainer included

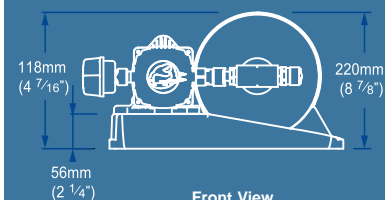


Pump Accumulator Kit

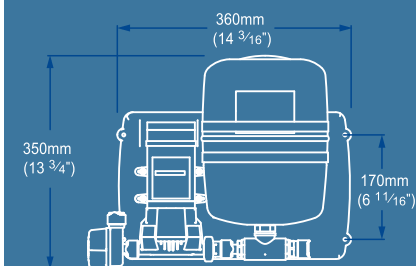
2 Year Warranty

### Model Specifications

Model	Accumulator Kits				
	Includes UF1214	Includes UF1215	Includes UF1225	Includes UF1825	Includes UF1815
Product Code	UF2014	UF2015	UF2025	UF8025	UF8015
Accumulator Tank Size	8 ltrs (2.2 US gals)				
Open Flow Rate per Minute	12 ltrs (3.2 US gals)			18 ltrs (4.75 US gals)	
Voltage	12 V D.C.	12 V D.C.	24 V D.C.	24 V D.C.	12 V D.C.
Recommended Fuse Size	8 amp	8 amp	4 amp	8 amp	12 amp
Weight	5.4 kg (11.9 lbs)			5.9 kg (13 lbs)	
Hose Connection	Whale Quick Connect 15 mm Female For 1/2" Flexible Hose, Use WX1584 (supplied with kit) For 3/8" Flexible Hose, Use WU1215 and WU1280 (not supplied with kit)				
Connections to Quick Connect 15 mm	NO ADAPTORS REQUIRED			WX1542 (not supplied with kit)	
Additional Fittings	WX1587 x 2 - 1/2" BSP Male Adaptors (supplied with kit) WX1584 x 2 - 1/2" Flexible Hose Adaptors (supplied with kit)			2 x 3/4" Flexible Hose Adaptors (supplied with kit)	
Minimum Wire Size	2.5 mm (13 AWG)				
Cut Out Pressure	2 bar (30 psi)		3 bar (45 psi)		
Materials	Pump Body: Glass-filled Polypropylene Aluminium and Powder-coated Steel Diaphragms, Valves and Feet: Monprene®, Seals: Nitrile, Tank: Butyl, Base: ABS Fittings: Brass, Fasteners: Stainless Steel				
Materials in Contact With Fluid	Glass-filled Polypropylene, Monprene®, Nitrile, Stainless Steel, Brass				
Factory Pre-charge Pressure +/-0.014 bar+/-2psi	1.4 bar (20 psi)	2.2 bar (32 psi)			
Maximum Suction Lift	3 m (10 ft)				
Maximum Discharge Head	20 m (66 ft)	30 m (98 ft)			



Front View



Plan View

Self-Venting Submersible Pump

Compact Electric Pump

- Very quiet operation
- Portable lightweight design
- Ideal for portable showers
- Inexpensive upgrade from a manual water system
- Ideal for pumping freshwater and saltwater
- Suitable for use with pressure switch and microswitch systems

Model Specifications

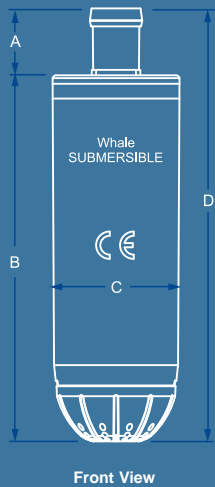
Model	Submersible 801	Submersible 881	Submersible 881	Submersible 921
Product Code	GP8015	GP8815	GP8825	GP9216
Voltage	12 V D.C.	24 V D.C.	12 V D.C.	12 V D.C.
Recommended Fuse Size	5 amp	5 amp	3 amp	8 amp
Weight	0.16 kg (0.4 lbs)			0.2 kg (0.5 lbs)
Hose Connections	To suit 10 mm (3/8") or 13 mm (1/2") Flexible Hose			
Connection to Quick Connect 15 mm Plumbing	Use WX1511 (Stem Adaptor 11 mm-15 mm) and then WX1504 (15 mm Equal Straight)			
Materials	Pump Body: ABS Seal: Nitrile Strainer: Polypropylene Impeller: Stainless Steel			Pump Body: ABS Seal: Nitrile Strainer: PBT Impeller: Stainless Steel

Performance Data

Discharge Head	Flow Rate Per Minute Current Draw			
0 m (0 ft)	10.3 ltrs (2.7 US gals) 2.4 amps	13.2 ltrs (3.5 US gals) 3.15 amps	13.2 ltrs (3.5 US gals) 1.55 amps	13.4 ltrs (3.5 US gals) 6.5 amps
1 m (3 ft)	8.75 ltrs (2.3 US gals) 2.2 amps	11.75 ltrs (3.1 US gals) 3.0 amps	11.75 ltrs (3.1 US gals) 1.5 amps	12.4 ltrs (3.3 US gals) 6.2 amps
3 m (9 ft)	5.75 ltrs (1.5 US gals) 2.0 amps	8.75 ltrs (2.3 US gals) 2.7 amps	8.75 ltrs (2.3 US gals) 1.35 amps	10.6 ltrs (2.8 US gals) 5.8 amps

Dimensions Table

Submersible	A	B	C	D
GP8815 / GP8825	20 mm (3/16")	109 mm (4 3/16")	129 mm (5 1/16")	36 mm (1 3/16")
GP9216	25 mm (1")	141 mm (5 1/16")	166 mm (6 5/16")	40 mm (1 1/2")



Front View

## In-Line Booster Pump

### Compact Electric In-Line Pump

- Very quiet operation
- Portable lightweight design
- Inexpensive upgrade from a manual water system
- Ideal for pumping freshwater and saltwater
- Suitable for use with pressure switch and microswitch systems
- Fits unsupported into pipework

#### Model Specifications

Model Product Code	In-Line 991 GP9955	In-Line 991 GP9965	In-Line 925 GP9255
Voltage	12 V D.C.	24 V D.C.	12 V D.C.
Recommended Fuse Size	5 amp	3 amp	8 amp
Weight	0.15 kg (0.3 lbs)		0.2 kg (0.5 lbs)
Hose Connections	Suitable for 10 mm ( $\frac{3}{8}$ ") or 13 mm ( $\frac{1}{2}$ ") Flexible Hose		
Connection to Quick Connect 15 mm Plumbing	Use WX1511 (Stem Adaptor 11 mm-15 mm) and then WX1504 (15 mm Equal Straight)		
Materials	Pump Body: ABS, Seal: Nitrile, Fasteners: Stainless Steel		

#### Performance Data

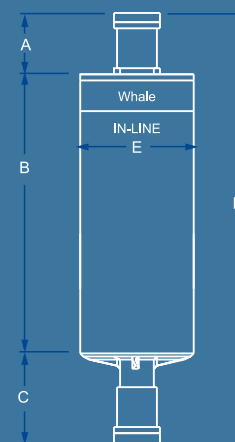
Discharge Head	Flow Rate Per Minute Current Draw		
0 m (0 ft)	13.2 ltrs (3.5 US gals) 3.15 amps	13.2 ltrs (3.5 US gals) 1.55 amps	13.4 ltrs (3.5 US gals) 6.5 amps
1 m (3 ft)	11.75 ltrs (3.1 US gals) 3.0 amps	11.75 ltrs (3.1 US gals) 1.5 amps	12.4 ltrs (3.3 US gals) 6.2 amps
3 m (9 ft)	8.75 ltrs (2.3 US gals) 2.7 amps	8.75 ltrs (2.3 US gals) 1.35 amps	10.6 ltrs (2.8 US gals) 5.8 amps

#### Dimensions Table

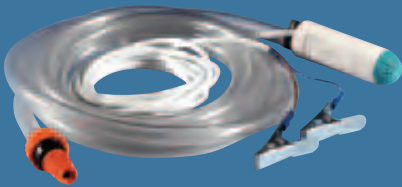
In-Line	A	B	C	D	E
GP9955/GP9965	20 mm ( $\frac{13}{16}$ ")	88 mm (3 $\frac{7}{16}$ ")	27 mm (1 $\frac{1}{16}$ ")	134 mm (5 $\frac{1}{4}$ ")	36 mm (1 $\frac{7}{16}$ ")
GP9265	25 mm (1")	119 mm (4 $\frac{11}{16}$ ")	16 mm ( $\frac{5}{8}$ ")	160 mm (6 $\frac{3}{16}$ ")	40 mm (1 $\frac{5}{16}$ ")



GP9955 GP9255  
In-Line Booster Pump  
1 Year Warranty



Front View



Portable Pump Kit  
1 Year Warranty

## Portable Pump Kit

### Wash Down Kit For Boats

- Long hose and cable making filling and emptying containers easy
- Ideal for use as a shower pump system
- Suitable for pumping drinking water (food grade hose)

Note: Not suitable for petrol, low flash point liquids and aggressive chemicals. This pump must not be used for pumping petrol or any highly inflammable or corrosive liquids.

### Typical Uses

- Bilge or storm water clearance
- Spraying or garden watering
- Shower pump

### Kit Includes

- Low voltage submersible pump
- Nozzle-adjustable on/off provides a fine spray or a jet of water
- 3.75 m (12 1/2 ft) food quality clear hose
- 3.75 m (12 1/2 ft) cable with battery clips or 12 V D.C. power outlet connector

### Model Specifications

Model Product Code	Portable Pump Kits				
	GP8818	GP9218	GP8828	GP9228	GP8819
Voltage	12 V D.C.	12 V D.C.	12 V D.C.	12 V D.C.	24 V D.C.
Recommended Fuse Size	5 amp	8 amp	5 amp	8 amp	3 amp
Power Connection	Battery Clips	Battery Clips	12 V D.C. Power Outlet	12 V D.C. Power Outlet	12 V D.C. Power Outlet
Weight	0.70 kg (1.5 lbs)	0.74 kg (1.6 lbs)	0.70 kg (1.5 lbs)	0.74 kg (1.6 lbs)	0.70 kg (1.5 lbs)
Materials	Pump Body: ABS, Seal: Nitrile, Strainer: Polypropylene / PBT, Fasteners: Stainless Steel				

### Performance Data

Head	Flow Rate Per Minute Current Draw				
0 m (0 ft)	11 ltrs (2.9 US gals) 2.8 amps	13.4 ltrs (3.5 US gals) 6 amps	11 ltrs (2.9 US gals) 2.8 amps	13.4 ltrs (3.5 US gals) 6 amps	11 ltrs (2.9 US gals) 1.6 amps
1 m (3 ft)	9.8 ltrs (2.6 US gals) 2.7 amps	12.4 ltrs (3.3 US gals) 4 amps	9.8 ltrs (2.6 US gals) 2.7 amps	12.4 ltrs (3.3 US gals) 4 amps	9.8 ltrs (2.6 US gals) 1.5 amps

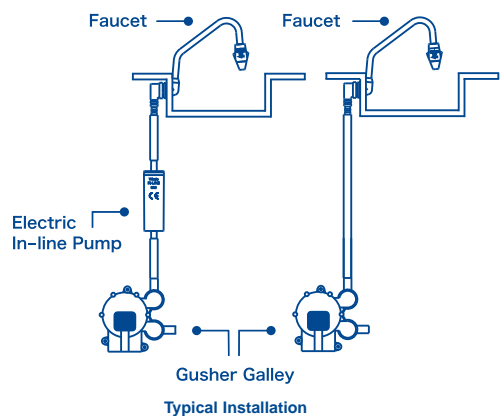
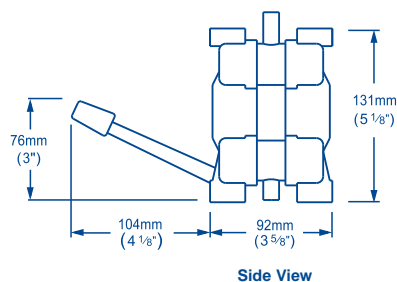
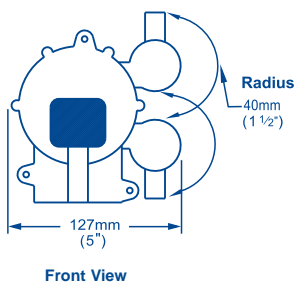
## Gusher® Galley Mk 3

### Foot Operated Water Pump

- Low cost freshwater system for faucets and showers
- Ideal for use as a back up pump for electric systems
- Suitable for pumping freshwater and saltwater
- Multi-directional inlet and outlet hose connections make installation easier
- Three mounting options including thru bulkhead
- Left and right handed versions available
- May be used to prime Whale In-Line Booster Pumps (see page 9)

#### Model Specifications

Model	Gusher® Galley Mk 3	
Product Code	GP0550	GP0551
Lever Mounting	Right	Left
Weight	0.7 kg (1.5 lbs)	
Hose Connections	Suitable for Connection to Whale Quick Connect 15 mm Plumbing 13 mm (1/2") Flexible Hose	
Materials	Pump Body: Acetal, Nylon Diaphragm: Nitrile, Neoprene, Fasteners: Stainless Steel	
Service Kit	AK0553 - Service Kit for Gusher® Galley (suitable for Mk 3 only) Contains: Diaphragm, Valves and Seals	
Maximum Suction Lift	2 m (7 ft)	
Maximum Discharge Head	3 m (10 ft)	
Maximum Output per Minute	15 ltrs (4 US gals)	



Right

GP0550  
Gusher® Galley Mk 3  
5 Year Warranty

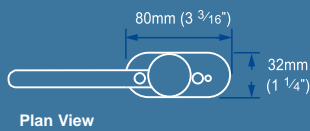
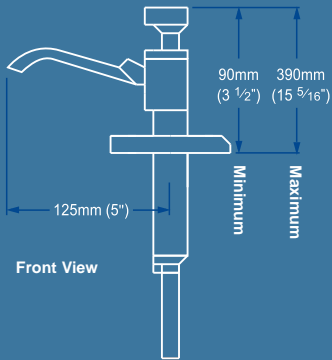


Left

GP0551  
Gusher® Galley Mk 3  
5 Year Warranty



**GP0650**  
**V Pump Mk 6**  
5 Year Warranty



**GP0418**  
**Flipper Pump Mk 4**  
5 Year Warranty

## V PUMP Mk 6

### Vertical Self-Priming Hand Pump

- Ideal where space is limited
- Suitable for pumping freshwater
- Angled spout and adjustable height provide various options for installation
- Capacity is 8 ltrs (2.2 US gals) per minute
- Narrow mounting base allows installation between two sinks
- Delivers a smooth flow on each stroke up and down
- Ideal as a back up pump for electric freshwater systems

#### Model Specifications

Model	V Pump Mk 6
Product Code	GP0650
Hose Connections	Suitable for Quick Connect 15 mm Plumbing and 13 mm (1/2") Flexible Hose
Weight	0.26 kg (0.6 lbs)
Materials	Pump Body: Acetal, Pump Barrel: Anodized Aluminium Alloy Seals: Neoprene, Nitrile, Fasteners: Stainless Steel
Service Kit	AK0618 - Service Kit for V Pump, Mk 5, Mk 6, Mk 7 Models Contains: Diaphragm, Seals, Fasteners
Maximum Suction Lift	3 m (10 ft)
Maximum Discharge Head	4 m (13 ft)
Maximum Output per Minute	8 ltrs (2.2 US gals)

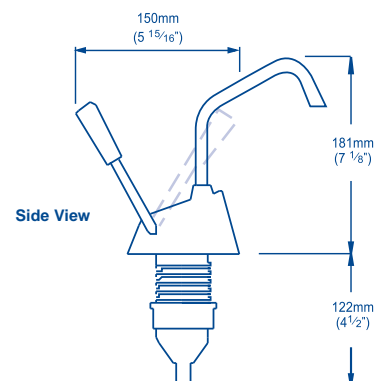
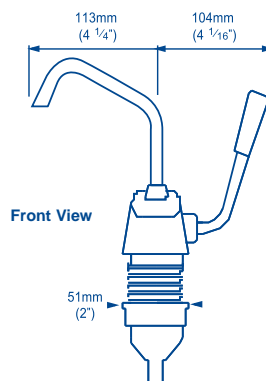
## Flipper Pump Mk 4

### Self-Priming Lever Operated Hand Pump

- Swivelling outlet is ideal for use between two sinks
- Light to and fro pumping action is easy to use
- Suitable for use with freshwater
- Precise flow control
- Capacity is 7 ltrs (1.85 US gals) per minute

#### Model Specifications

Model	Flipper Pump Mk 4
Product Code	GP0418
Hose Connections	Suitable for 13 mm (1/2") Flexible Hose
Weight	0.30 kg (0.71 lbs)
Materials	Pump Body: Acetal, Nylon, Polystyrene, Polypropylene, Anodized, Aluminium Alloy, Brass Seals: Neoprene, Nitrile, ABS, Fasteners: Stainless Steel
Service Kit	AK0405 - Service Kit for Flipper Mk3 and Mk4 Models Contains: Diaphragm, Seals, Screws
Maximum Suction Lift	3 m (10 ft)
Maximum Discharge Head	3 m (10 ft)
Maximum Output per Minute	7 ltrs (1.85 US gals)



## Tiptoe Pump Mk 4

### Self-Priming Foot Pump

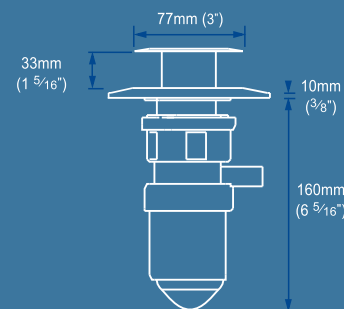
- Smooth and easy operating action
- Easy to install thru deck design
- Comfortable for bare-foot use
- Plunger safely locks down ensuring the pump is flush with floor level when not in use
- Suitable for pumping freshwater and saltwater
- Capacity is 7 ltrs (1.85 US gals) per minute
- Ideal as a priming pump for use with the Whale In-Line Electric Pumps (see page 9)

#### Model Specifications

Model Product Code	Tiptoe GP1309
Hose Connections	Suitable for 13 mm (½") Flexible Hose
Weight	0.4 kg (0.9 lbs)
Materials	Pump Body: Acetal, Nylon, Polypropylene Seals: Neoprene, Nitrile, Phosphor Bronze, Fasteners: Stainless Steel
Service Kit	AK1304 - Service Kit for Tiptoe Mk 3 and Mk 4 Models Contains: Washers, Valve Plates, Circlips
Maximum Suction Lift	2 m (7 ft)
Maximum Discharge Head	4 m (12 ft)
Maximum Output per Minute	7 ltrs (1.85 US gals)



**GP1309**  
**Tiptoe Pump Mk 4**  
5 Year Warranty



Side View

## Babyfoot® Pump

### Self-Priming Compact Foot Pump

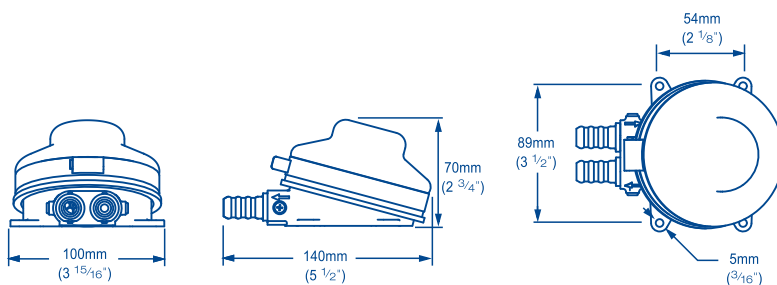
- Smooth and easy operating action
- Easy to install compact design
- Ideal for installation where space is limited
- Angled design ensures more comfortable operation
- Ideal as a priming pump for use with Whale In-Line Electric Booster Pumps (see page 9)
- Suitable for pumping freshwater and saltwater

#### Model Specifications

Model Product Code	Babyfoot® GP4618
Hose Connections	Suitable for 13 mm (½") Flexible Hose
Weight	0.3 k g (0.7 lbs)
Materials	Pump Body: Nylon, Ports: Acetal, Seals: Neoprene Fasteners: Stainless Steel, Phosphor Bronze
Service Kit	AK4615 - Service Kit for Babyfoot® Pump Contains: Diaphragm Valves, O Rings, Spring, Fasteners
Maximum Suction Lift	1.5 m (5 ft)
Maximum Discharge Head	3 m (10 ft)
Maximum Output per Minute	8 ltrs (2.2 US gals)



**GP4618**  
**Babyfoot® Pump**  
5 Year Warranty



Front View

Side View

Plan View

## Elegance Range

### Swivel Faucet Models

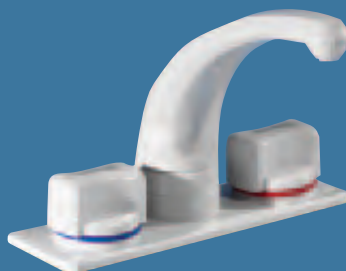
- Easy installation
- Ideal where installation space is limited
- Connects directly to Whale Quick Connect 15 mm plumbing
- Standard and long spout lengths available
- Full range of mixer and cold only faucets
- For use with pressure switch or microswitch systems
- For systems operating at up to 2.4 bar (35 psi)

### Model Specifications

Model	RT1000	RT1200	RT2000	RT2200	RT2007	RT2207
Description	Single Faucet Cold Only		Mixer Faucet Standard Outlet		Mixer Faucet Long Outlet	
Colour	White					
Hose Connections	12 mm	½" Threaded	12 mm	½" Threaded	12 mm	½" Threaded
Materials in Contact With Fluid	Body: ABS, Spout and Valves: Acetal, Seals: Neoprene					
Base Plate (mm)	113 x 55 (4 7⁄16" x 2 1⁄8")	113 x 55 (4 7⁄16" x 2 1⁄8")	164 x 55 (6 7⁄16" x 2 1⁄8")	171 x 62 (6 3⁄4" x 3 3⁄8")	164 x 55 (6 7⁄16" x 2 1⁄8")	171 x 62 (6 3⁄4" x 3 3⁄8")
Depth Beneath Surface	92 mm (3 1⁄2")	60 mm (2 3⁄4")	92 mm (3 5⁄8")	60 mm (2 3⁄8")	92 mm (3 5⁄8")	60 mm (2 3⁄4")
Connection to Quick Connect 15 mm	WX1511B WX1504	WX1532	WX1511B WX1504	WX1532	WX1511B WX1504	WX1532
Connection to 10 mm (5⁄16") Flexible Hose	WX1511B	WX1532 WX1584B	WX1511B	WX1532 WX1584B	WX1511B	WX1532 WX1584B
Connection to 13 mm (1⁄2") Flexible Hose	No Fittings Required	Not Applicable	No Fittings Required	Not Applicable	No Fittings Required	WX1532



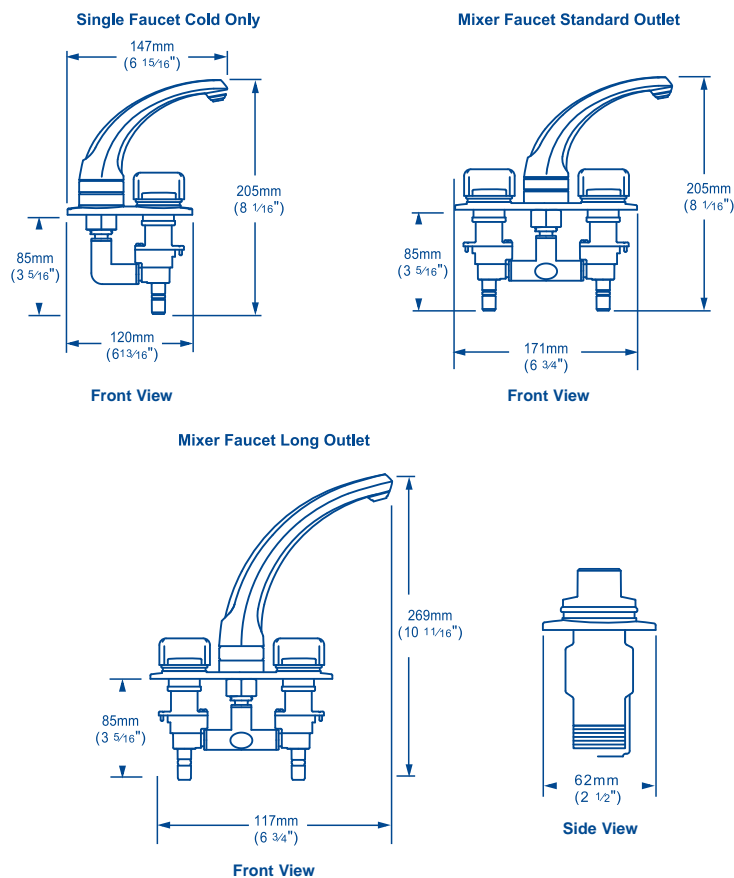
**RT1000 / RT1200**  
**Elegance - Cold Only**  
1 Year Warranty



**RT2000 / RT2200**  
**Elegance - Mixer Standard Outlet**  
1 Year Warranty



**RT2007 / RT2207**  
**Elegance - Mixer Long Outlet**  
1 Year Warranty



## Whale Classic Range

Classically elegant designs for kitchen and washroom applications adding sheer style to any interior.

- Manufactured in chromed brass
- Narrow 44 mm (1 3/4") diameter base models available - ideal where space is limited
- Full range of styles available



Model No: TC2112    Model No: TC4111    Model No: TC5112    Model No: TC0111

## Whale Oval Range

A cool contemporary range incorporating a smooth oval design for highly stylised interiors.

- Manufactured in chromed brass
- Narrow 44 mm (1 3/4") diameter base models available - ideal where space is limited



Model No: TD2112    Model No: TD4111    Model No: TD5112    Model No: TD1111

## Whale Scandinavian Range

A modern minimalist design that complements the functional clean lines of your living environment.

- Manufactured in chromed brass
- Narrow 44 mm (1 3/4") diameter base models available - ideal where space is limited



Model No: TE2111    Model No: TE4112    Model No: TE5112    Model No: TE1111

## Whale Pebble Range

A distinctive textured design solution ideal for the most cutting edge interiors.

- Manufactured in chromed brass



Model No: TF2112    Model No: TF4112    Model No: TF5112    Model No: TF0111



**Polished  
Chrome**

**Satin  
Chrome**

**Nickel  
Nero**

All models shown in polished chrome, other finishes also available (see above)



**TC1112  
Classic**  
2 Year Warranty



**TD1112  
Oval**  
2 Year Warranty



**TE1112  
Scandinavian**  
2 Year Warranty



**TF1112  
Pebble**  
2 Year Warranty



**MT0161 / MT1161**  
**Elite Faucet (White)**  
1 Year Warranty



**MT0111 / MT1111**  
**Elite Faucet (Chrome)**  
1 Year Warranty

## Elite Faucet Range

### Single Lever Faucets

- Attractive modern domestic style with superb flow
- Easy to operate single lever action allows precise flow control
- Simple to install with a single round hole mounting
- Easily plumbed
- Available in a range of colours
- For use in pressure switch and microswitch systems (with replaceable microswitch)
- Ideal for installation where space is limited
- Retrofittable to Whale Elegance faucets by using mounting plate

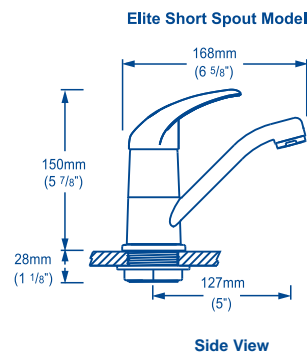
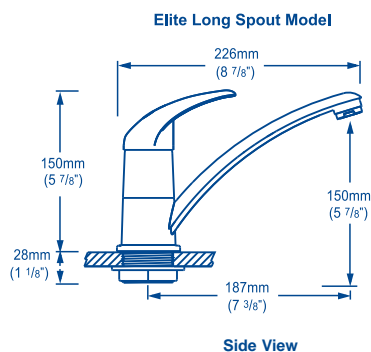
### Model Specifications

Model	Long Spout					Short Spout
Finish	Chrome	Racing Green	Midnight Blue	Sandstone	Diamond White	Chrome
Colour of Trimming	Chrome	Gold				
Product Code (With Microswitch)	MT0111	MT0131	MT0141	MT0151	MT0161	MT0113
Product Code (Without Microswitch)	MT1111	MT1131	MT1141	MT1151	MT1161	MT1113
Diameter of Mounting Hole	48 mm (1 7/8")					
Materials in Contact With Fluid	Faucet Body: Noryl, Spout: ABS					Faucet Body: Noryl Spout: Brass
Connection to Quick Connect to 15 mm Plumbing	WU1215 or WU1512 - Adaptor 15 mm to 12 mm					
Connection to 10 mm (3/8") Flexible Hose	WU1280 - Stem Adaptor 3/8" Hose					
Connection to 13 mm (1/2") Flexible Hose	WU1282 - Stem Adaptor 1/2" Hose					

### Elite Retrofit Mounting Plates

Elite Faucet Range can be used to retrofit where Elegance faucets have previously been installed. By using Elite retrofit mounting plates, any previous mounting holes cut into surfaces can be neatly covered.

Model	MT0112	MT0132	MT0142	MT0152	MT0162
Colour	Chrome	Green	Blue	Sandstone	White



## Compact Faucet Range

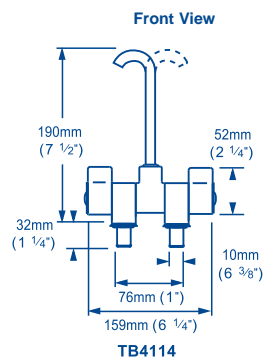
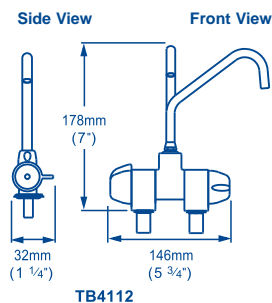
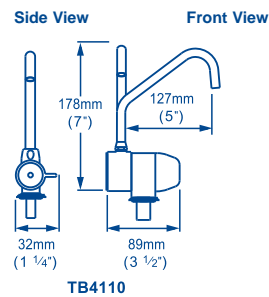
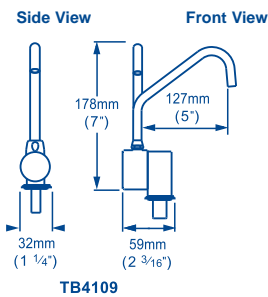
### Faucet Range Ideal For Installation Where Space Is Limited

- Modern design ensures total flow control with only 90 degree movement of controls
- Ideal for sink areas where space is limited
- Spout neatly swivels and folds down
- High quality ceramic valves
- Connects directly to Whale Quick Connect 15 mm plumbing

#### Model Specifications

Model	Single Faucet Cold Only (Without Valve)	Single Faucet Cold Only (With Valve)	Mixer Faucet			
Product Code	TB4109	TB4110	TB4112	TB4115	TB4114	TB4130
Control Type	Standard Length Controls				Longer Length Controls	Standard Length Controls
Finish	Chrome			White	Chrome	Satin Chrome
Materials	Chrome Plated Brass				Brass	Chrome Plated Brass
Hose Connections	1/8" BSP Male Threaded					
Connection to Quick Connect 15 mm Plumbing	WX1532 - Adaptor 1/2" BSP					

Note: TB4109 - Single faucet cold only - for use with manual electric pumps in conjunction with an electric switch (see page 24).



**TB4109**



**TB4112**

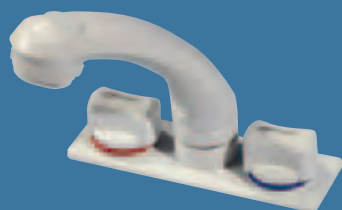


**TB4110**



**TB4115**

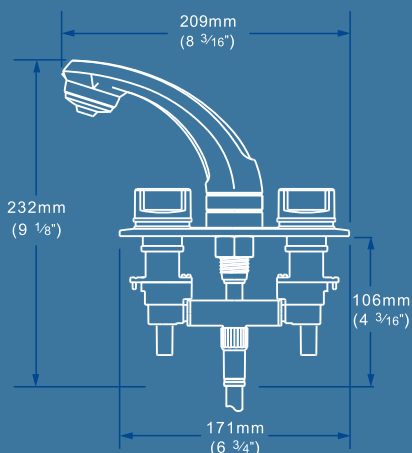
**Compact Range**  
1 Year Warranty



**RT2500**  
**Combination Mixer Shower**  
1 Year Warranty



**RT2500**  
**Combination Mixer Shower Unit**  
1 Year Warranty



**RT2500**  
**Combination Mixer Shower**  
**Front View**

## Elegance Combination Mixer Shower Unit

### Combined Model with Faucet and Shower Functions

- Ideal where shower installation space is at a premium
- Retractable hose makes for neat storage when shower is not in use
- Water flow can be temporarily shut off at shower head to allow the user to mix water to their desired temperature without wasting water
- One unit for use as either a worktop mounted faucet or a 'pull up style' shower, by simply fitting a bracket / riser bar to the wall
- 1.7 metre (5 <sup>9</sup>/<sub>16</sub> ft) long hose
- Connects directly to Whale Quick Connect 15 mm plumbing
- For systems operating at up to 2.4 bar (35 psi)

### Model Specifications

Model	RT1500	RT2500	RT1470	RT2498
Description	<b>Cold Only Combination Faucet / Shower with Wall Bracket</b>	<b>Mixer Combination Faucet / Shower with Wall Bracket</b>	<b>Cold Only Combination Faucet / Shower</b>	<b>Mixer Combination Faucet / Shower</b>
Colour	White			
Hose Connections	12 mm	12 mm	<sup>1</sup> / <sub>2</sub> " Threaded	<sup>1</sup> / <sub>2</sub> " Threaded
Base Plate (mm)	113 x 55 (4 <sup>7</sup> / <sub>16</sub> " x 2 <sup>1</sup> / <sub>8</sub> " )	164 x 55 (6 <sup>7</sup> / <sub>16</sub> " x 2 <sup>1</sup> / <sub>8</sub> " )	164 x 55 (6 <sup>7</sup> / <sub>16</sub> " x 2 <sup>1</sup> / <sub>8</sub> " )	171 x 62 (6 <sup>3</sup> / <sub>4</sub> " x 3 <sup>5</sup> / <sub>16</sub> " )
Depth Beneath Surface	108 mm (4 <sup>1</sup> / <sub>4</sub> " )	108 mm (4 <sup>1</sup> / <sub>4</sub> " )	80 mm (3 <sup>1</sup> / <sub>8</sub> " )	80 mm (3 <sup>1</sup> / <sub>8</sub> " )
Connection to Quick Connect 15 mm Plumbing	WX1511B WX1504	WX1511B WX1504	WX1532	WX1532
Connection to 10 mm ( <sup>7</sup> / <sub>8</sub> " ) Flexible Hose	WX1511B	WX1511B	WX1532 WX1584B	WX1532 WX1584B
Connection to 13 mm ( <sup>1</sup> / <sub>2</sub> " ) Flexible Hose	No Fittings Required	No Fittings Required	Not Applicable	Not Applicable
Service Kits	AS5133 - Replacement Handset <sup>1</sup> / <sub>2</sub> " BSP Threaded (white) AS5146 - Replacement Hose Assembly 1.7 m (5 <sup>9</sup> / <sub>16</sub> ft) Long (white)			

## Elegance Range Accessories

The Elegance range also includes a choice of riser bars and wall brackets

### Model Specifications

Product Code	Model
RT1750	Shower Riser Bar (for use with RT2500)
RT1770	Shower Riser Bar (for use with RT2498)
RT1250	Shower Wall Bracket (for use with RT2500)
RT1270	Shower Wall Bracket (for use with RT2498)
RT9000	Replacement Microswitch Kit

## Whale Showers

Whale showers are designed to aesthetically complement our faucet and shower mixer ranges. They have been designed for great looks and a refreshing shower experience.



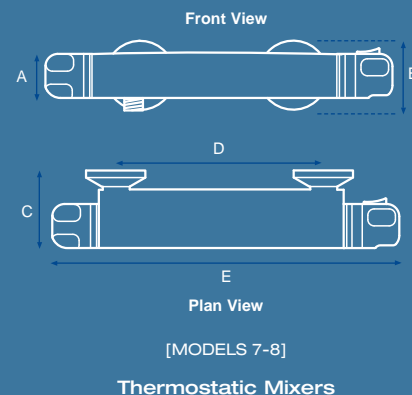
## Thermostatic Mixers

A perfect combination of convenience and comfort, allowing the user to precisely control water temperature. Expect the consistent shower experience you enjoy in your own home.

### Thermostatic Mixer [Straight Style]



### Thermostatic Mixer [Curved Style]





**MT0130 / MT0133**  
**Elite Shower (Diamond White)**  
1 Year Warranty



**RT2658 / RT2662**  
**Swim 'n' Rinse**  
1 Year Warranty

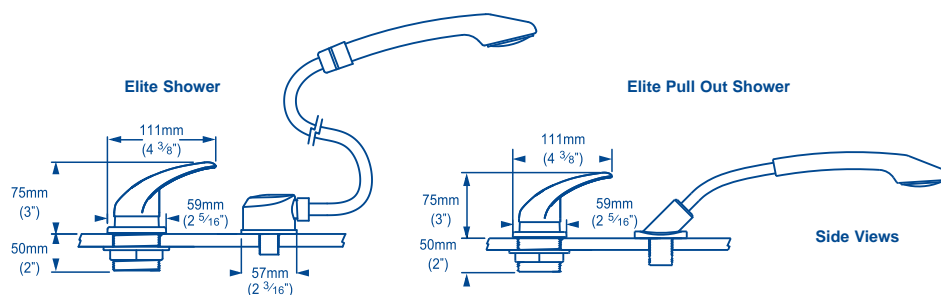
## Elite Shower Range

### Single Lever Showers

- Available in diamond white or chrome finish
- Attractive modern single lever design
- Range includes standard and pull out shower models

#### Model Specifications

Model	Pull Out Shower	Pull Out Shower	Shower	Shower
Colour	Chrome	Diamond White	Chrome	Diamond White
Product Code (With Microswitch)	MT0170	MT0160	MT0140	MT0130
Product Code (Without Microswitch)	MT0177	MT0166	MT0144	MT0133
Connect to Quick Connect 15 mm Plumbing	WU1215 or WU1512 - Adaptor 15 mm-12 mm			
Connect to 10 mm (3/8") Flexible Hose	WU1280 - Stem Adaptor 3/8" Hose			
Connect to 13 mm (1/2") Flexible Hose	WU1282 - Stem Adaptor 1/2" Hose			
Hose Length	1.4 m (4 1/2 ft)	1.7 m (5 9/16 ft)	1.25 m (4 1/8 ft)	1.25 m (4 1/8 ft)



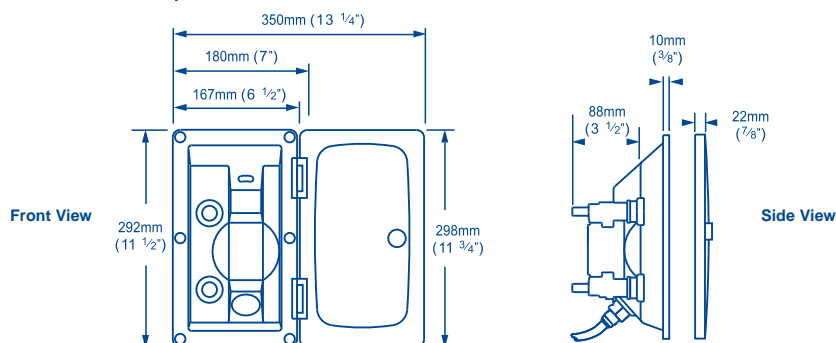
## Swim 'n' Rinse Transom Shower

### Mixer Shower Designed For The Transom

- For easy washdown on the transom after swimming
- Handset design allows water to be set to the desired temperature, minimising the amount of water wasted
- Model available with hinged cover provides a neat finish to the unit (lockable cover version available)
- Connects directly to Whale Quick Connect 15 mm plumbing
- Mounting hole 125 mm (4 15/16") X 250 mm (9 7/8")

#### Model Specifications

Model	Cold Only (no cover)	Cold Only (cover included)	Hot and Cold Mixer (no cover)	Hot and Cold Mixer (cover included)	Hot and Cold Mixer (lockable cover included)
Product Code	RT1648	RT1649	RT2648	RT2658	RT2662
Colour	White				
Base Plate	167 mm (6 1/2") X 292 mm (11 1/2")				
Depth Beneath Surface	88 mm (3 1/2")				
Hose Connections	1/2" Male Threaded (BSP / NPT)				
Connection to Quick Connect 15 mm Plumbing	WX1532 - Adaptor Female 1/2" - 15 mm				
Hose Length	2.1 m (7 ft)				



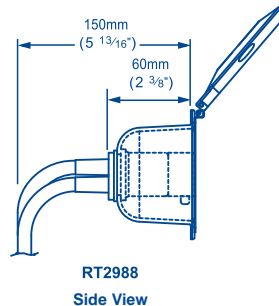
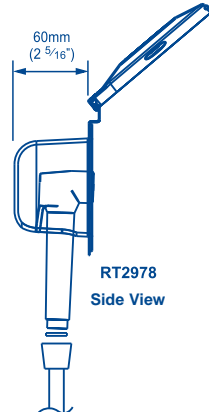
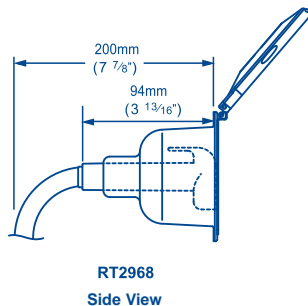
## Sleek Style Compact Shower

### Transom Shower With Stainless Steel Cover

- Modern styling adds a touch of flair to the transom
- Compact design is ideal where space is limited
- Stainless steel cover
- Simple to install
- Mixer valve and handset available separately (see part numbers below)
- Length of hose 2.1 m (7 ft)
- Vertically mounted option available for where space behind the mounting surface is limited

#### Model Specifications

Model	Shower Handset	Shower Handset (Vertical)	Shower Mixer
Product Code	RT2968	RT2978	RT2988
Diameter of Mounting Hole	80 mm (3 1/8")		
Materials	Mixer Valve and Handset: Chrome Plated Brass Casing: White UV Stabilised Polypropylene Cover: Stainless Steel		
Colour	Chrome and White		
Depth Behind Surface	200 mm (7 7/8")	60 mm (2 1/8")	150 mm (5 9/16")
Hose Connections	1/2" BSP Threaded Male		
Connection to Quick Connect 15 mm Plumbing	WX1532 - Adaptor 1/2" BSP		



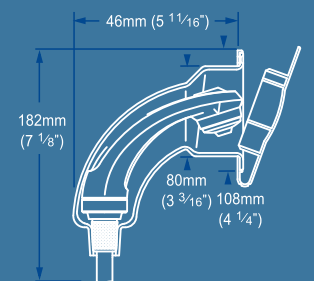
RT2988 RT2968  
**Compact Shower  
Stainless Steel Cover**  
1 Year Warranty



**Sleek Style Compact Handset**



RT2878  
**Compact Shower**  
1 Year Warranty



## Compact Shower

### Transom Shower With UV Stabilised Cover

- Compact housing
- Splash-proof UV Stabilised cover
- On / off control on shower handset
- Simple to install
- Length of hose: 2.1 m (7 ft)

#### Model Specifications

Model	Compact Shower (Retail Version)	Compact Shower (Bulk Version)
Product Code	RT2878	RT2878B
Diameter of Mounting Hole	80 mm (3 1/8")	
Materials	Casing: White UV Stabilised Polypropylene, Body: ABS, Seals: Neoprene, Cover: PVC	
Colour	White	
Base Plate	110 mm (4 3/8")	
Depth Beneath Surface	145 mm (5 3/8")	
Hose Connections	3/8" Female BSP Threaded: Connects to Remote Valves (part number RT2818B) Using WU1213B	
Connection to Quick Connect 15 mm Plumbing	WX1538 - Adaptor 3/8" BSP Female	



FT1276

**Tuckaway Faucet**  
1 Year Warranty

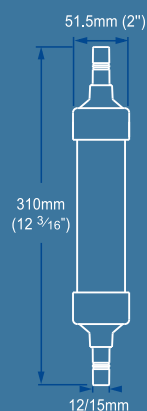


FT1160

**Telescopic Faucet**  
1 Year Warranty



**WF1230 WF1530**  
**Aqua Source Clear Water Filter**  
1 Year Warranty



WF1230 = 12 mm  
WF1530 = 15 mm

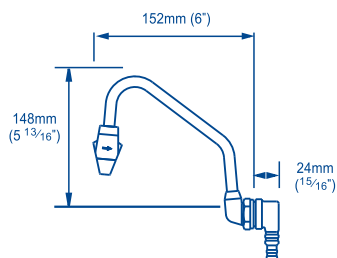
## Tuckaway / Telescopic Faucets

### Faucets Designed For Installation Where Space Is Limited

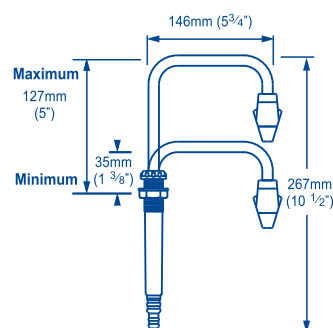
- Easy to install design
- Compact designs are ideal where galley space is limited
- Ideal for use with Whale manual foot pumps (see pages 11 and 13) or electric submersibles (see page 8)
- Designed for non-pressurised water systems
- Models available with on / off valve at outlet to prevent leakage when the vessel is on an uneven keel
- Suitable for 13 mm ( $\frac{1}{2}$ ") hose connection

#### Model Specifications

Product Code	FT1276	FT1160
Model	Tuckaway Faucet, Angled With On / Off Control	Telescopic Faucet With On / Off Control



FT1276  
Side View



FT1160  
Side View

## Aqua Source Clear Water Filter

### For That Refreshing Spring Water Taste

- Provides clear fresh drinking water
- Removes nasty tastes and smells from water from on board tanks
- Simple installation using clips supplied
- Silverised carbon filter
- Maintenance-free design
- Can be mounted vertically or horizontally
- Suitable for use with Whale Quick Connect and flexible pipework
- Suitable for boats with 4 bar (60 psi) systems
- Lasts one full season or 4500 litres (1188 US gals)

#### Model Specifications

Product Code	Pipe System Used	Fitting Required
WF1230	Quick Connect 12 mm	Connects Directly Using Whale Quick Connect 12 mm Fittings
WF1530	Quick Connect 15 mm	Connects Directly Using Whale Quick Connect 15 mm Fittings
WF1230	10 mm ( $\frac{3}{8}$ ") Flexible Hose	Stainless Steel Hose Clips
WF1530	13 mm ( $\frac{1}{2}$ ") Flexible Hose	Stainless Steel Hose Clips

Maximum Pressure	4 bar (60 psi)
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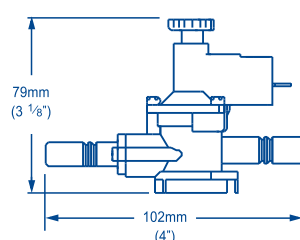
## Pressure Switch

### In-Line Pressure Switch

- Maintenance-free design
- Adjustable cut in / cut out pressure setting
- Suitable for installation into a soft hose system
- Controls the pump turning it on and off by sensing changes in water system pressure
- Connects directly in-line to Whale Quick Connect Plumbing

#### Model Specifications

Model	Pressure Switch
Product Code	WU7207
Weight	0.64 kg (1.4 lbs)
Hose Connections	Suitable for Whale Quick Connect 12 mm and 10 mm (3/8") Flexible Hose
Current Rating	10 amp: 12 V D.C. systems 5 amp: 24 V D.C. systems
Maximum Pressure	2 bar (30 psi)
Materials	Body: Acetal, Seals and Valves: Nitrile, EPDM Spring: Phosphor Bronze, Fasteners: Stainless Steel



Side View



Plan View

## Surge Damper

### Smooths Water Flow

- Helps reduce noise and pulsations in the water system
- Protects the pressure switch in pressurised systems
- Suitable for installation into soft hose system
- Supplied complete with mounting clips
- Designed to be mounted in a vertical position
- Connects directly in-line to Whale Quick Connect Plumbing

#### Model Specifications

Product Code	Pipe System Used	Fitting Required
WS7205	Quick Connect 12 mm	Connects Directly Using Whale Quick Connect 12 mm Fittings
WS7215	Quick Connect 15 mm	Connects Directly Using Whale Quick Connect 15 mm Fittings
WS7205	10 mm (3/8") Flexible Hose	Stainless Steel Hose Clips
WS7215	13 mm (1/2") Flexible Hose	Stainless Steel Hose Clips

Capacity	150 ml (1/4 pint)
Maximum Pressure	4 bar (60 psi)

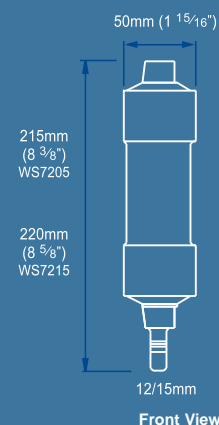


WU7207

**Pressure Switch**  
1 Year Warranty



**Surge Damper**  
1 Year Warranty



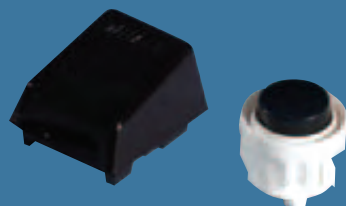
Front View

## Accessories



FV1227

FV1235

**One Way Valves**  
1 Year Warranty


FS7210

BS7204

**Electrical Switches**  
1 Year Warranty


LD2000

LD3000



LD4000

LD4002

**Watertight Locker Doors**  
1 Year Warranty

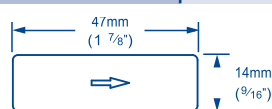
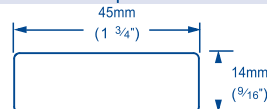
## One Way Valves

### Valves To Help Maintain Prime In Manual Or Electric Systems

- Ideal for use with electric pumps

#### Model Specifications

Product Code	FV1227	FV1235
Hose Connections	Suitable for 13 mm (½") Flexible Hose	
Materials	Body: ABS / Chromed Brass, Spring: Phosphor Bronze, Seal: Nitrile	
Weight	0.04 kg (0.9 lbs)	0.22 kg (0.5 lbs)


**FV1227**  
Side View

**FV1235**  
Side View

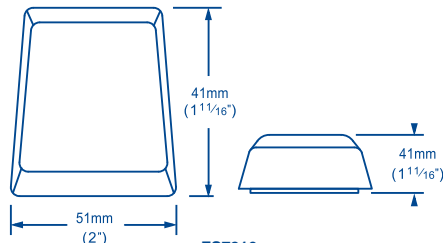
## Electrical Switches

### Designed As Manual Controls For A Non-pressurised System

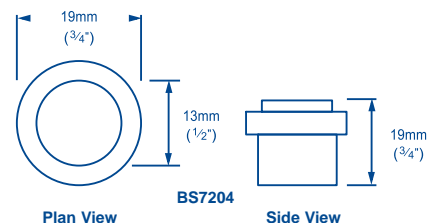
- Compact button or foot switch design ensure small footprints
- Ideal where existing hand pumps are used with Whale In-Line or Submersible Electric Pumps

#### Model Specifications

Model	Foot Switch	Button Switch
Product Code	FS7210	BS7204
Materials	Body: Acetal / Nylon, Fasteners: Brass	
Weight	0.33 kg (0.7 lbs)	0.04 kg (0.9 lbs)



Plan View

**FS7210**  
Side View


Plan View

**BS7204**  
Side View

## Watertight Locker Doors

### Provide Easy Access To Storage Space

#### Aluminium Models - Suitable For Sandy Environments

- TCL2**
- Robust aluminium construction with locking lever ideal for harsh marine environments
- TCL3**
- Robust aluminium ring with durable plastic cover
  - Ideal for narrow bulkheads
  - Quick release camlock cover allows easy access to storage areas

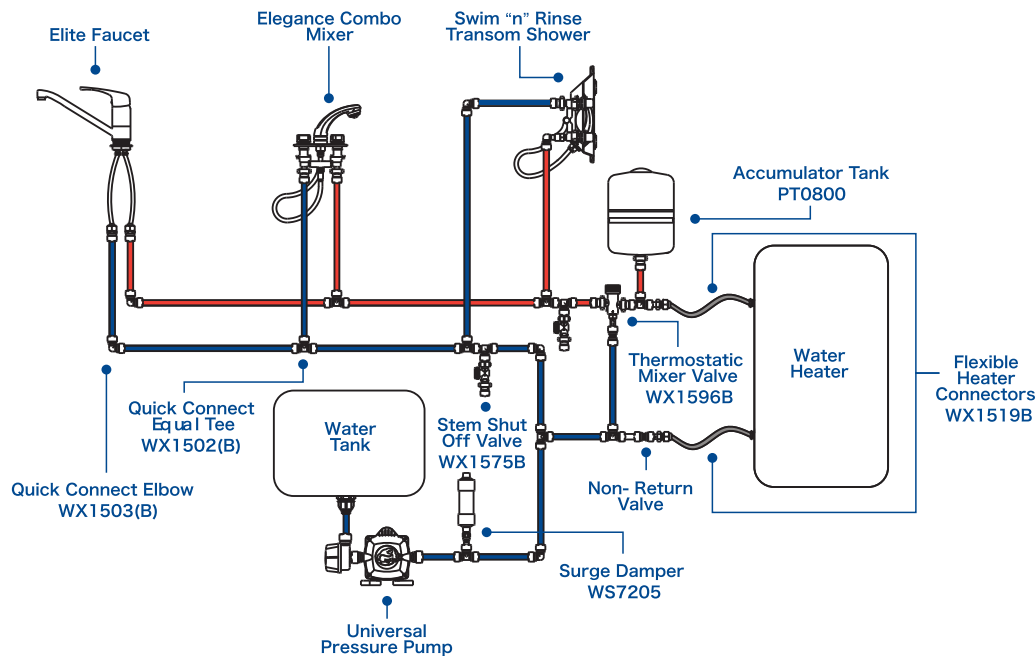
#### Polycarbonate Models

- TCL 4**
- Reliable watertight seal
  - TCL 4 Clear - allows easy inspection without having to open the locker

#### Model Specifications

Model	TCL2	TCL3	TCL4	TCL4 Clear
Product Code	LD2000	LD3000	LD4000	LD4002
Diameter	236 mm (9 ¼")	Not Applicable	236 mm (9 ¼")	236 mm (9 ¼")
Aperture	179 mm (7")	143 mm x 82.5 mm (5 5/8" x 1/4")	179 mm (7")	179 mm (7")
Materials	Body: Diecast Aluminium Alloy Seal: Nitrile		Body: Polycarbonate Locking Ring: Acetal Seal: Nitrile	

## Freshwater System - Typical Installation



Whale freshwater products are designed with a system solution approach. Our pumps, faucets, Quick Connect plumbing and other accessories have complementary designs. They can be easily combined in bespoke system solutions for boat builders.

The Whale product range is fully compatible with all standard marine plumbing systems, for example, flexible 13 mm ( $\frac{1}{2}$ " ) and 10 mm ( $\frac{3}{8}$ " ) and Quick Connect Pipework.



**WARNING**

**WARNING:** In a typical marine installation, it is vital to incorporate primary and fail safe controls for water temperature and pressure in the system (as shown in the diagram above).

### PRIMARY CONTROLS:

**Thermostatic Mixer Valve:** WX1596B

**Pressure Switch:** WU7207(B) - In-Line Pressure Switch or included in the Universal Pressure Pump (see page 6)

**Pressure Regulator:** WX1595B - Pressure Relief Valve - 6 bar  $\frac{1}{2}$ " Female

**Expansion Vessel:** PT0800 - Accumulator Tank

**FAIL SAFE CONTROLS:** WX1595B - Pressure / Temperature Relief Valve

Note: The above installation diagram is for guidance only. Contact Whale for specific installation advice.



**section**  
Plumbing Systems

2





## Quick Connect Plumbing System

Whale Quick Connect fittings ensure a high integrity, reliable, plumbing system solution, specifically designed for use in mobile applications.

## Save Time and Money by Using Whale Quick Connect

Fittings and pipework design ensures easy installation and re-usability of components.

The simple two step installation procedure does not require special tools to make a watertight connection.

### Features and Benefits

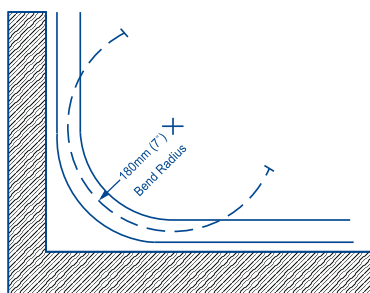
- Unique 'Double Gripper' design provides secure lifelong pipework retention even at excessive pressures
- The innovative 'cage collet' eliminates leaks where fittings are installed close to tight bends
- Collet has internal support ring ensuring o ring seal is held in position and does not distort or leak under pressure
- High integrity single piece moulding improves the strength of the fittings
- Outer sleeve incorporates collet cover, thus preventing accidental pipework release
- Collet clips are not necessary and therefore reduce installation time
- Pipework includes measured cut marks, designed to be a visual guide to ensure that fittings are pushed fully home

### Whale Quick Connect Semi-Rigid Pipework

Whale Quick Connect colour coded semi-rigid pipework is available in 12 mm, 15 mm, and 22 mm sizes in standard or high performance (Whalex) PE materials. The pipework's flexibility enables tight bends to be formed, hence reducing both the number of fittings and time required at installation. Whale Quick Connect semi-rigid pipework offers the integrity of metal, but the usability of plastic, and is fully tested and recommended for use with the complete range of Whale fittings (see pages 30 and 31).

### Minimum Bend Radii Recommendations

All grades of Whale Quick Connect semi-rigid pipework are flexible and can be bent into a tight radius to facilitate easy installations. This reduces the number of fittings required and the cost of the total water system.



### Installation Guide

**Step 1** Cut pipework to length by making a straight clean cut using Whale cutters WX7950 (see fig.1)

**Step 2** Simply push the pipework length into the fitting to the second internal stop (see fig. 2)

**Step 3** To release pipework: Push back the grey collet into the fitting, then hold the collet in and pull out the pipework length (see fig. 3 and 4)



Fig 1



Fig 2



Fig 3

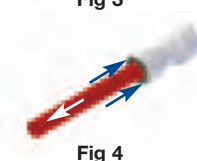


Fig 4

**Materials**

Whale Quick Connect Fittings	Glass-filled Polypropylene
Whale Quick Connect Pipework	Polyethylene

**Recommended Maximum Operating Conditions**

	Maximum Pressure	Maximum Temperature
Hot Water	6 bar (90 psi)	65°C (150 °F)
Cold Water	12 bar (180 psi)	20°C (68 °F)

**Minimum Bend Radius**

Quick Connect 15 mm Pipework	5 x O.D. of Pipework
---------------------------------	----------------------

**Minimum Storage Temperature**

The minimum dry storage temperature is -40 °C (-40 °F)

Note: It is vital that the system is fully winterized to prevent frost damage.



WARNING

**WARNING:** Temperature Settings – To prevent scalding, (regardless of the water heating method or the control devices used), the temperature for the hot water supplied to the faucets and showers should be controlled in the range of 43 °C to 60 °C (110 °F to 140 °F) with a fail safe set at 82 °C (180 °F).

**CAUTION:** Ideally, the temperature should be set at 46 °C (115 °F) for health and safety reasons, higher settings will increase the risk of scald injury. Those at greatest risk of scald injury include children, the elderly, disabled, and diabetics.

## Fail Safe Controls



WARNING

**WARNING:** In a typical marine installation, it is vital to incorporate primary and fail safe controls for water temperature and pressure. Please see list below:

**PRIMARY CONTROLS:**

**Thermostatic Mixer Valve:** WX1596B

**Pressure Switch:** WU7207(B) - In-Line Pressure Switch  
or included in the Universal Pressure Pump (see page 6)

**Pressure Regulator:** WX1595B - Pressure Relief Valve - 6 bar 1/2" Female

**Expansion Vessel:** PT0800 - Accumulator Tank

**FAIL SAFE CONTROLS:**

WX1595B - Pressure / Temperature Relief Valve

(For typical installation of these necessary controls see page 25)

(For a full list of our part numbers see pages 30 and 31)

(For advice on specific installation requirements contact Whale - see contact details)



**WX1502(B)**  
15 mm Equal Tee



**WX1517B**  
1/8" X 24 UNEF Male Tap Tail  
Adaptor (Brass) suitable for Gröhe  
Taps



**WX1534(B)**  
Stem NRV Adaptor 1/2"  
NPT Male (Brass)



**WX1503(B)**  
15 mm Equal Elbow



**WX1519B**  
Flexible Heater Connector 1/2" NPT  
Male 1/2" BSP Female  
Length - 350 mm (14)



**WX1535B**  
Stem Adaptor 1/2" Hose (Brass)  
for Windscreen Washer



**WX1504(B)**  
15 mm Equal Straight



**WX1520B**  
Adaptor 15 mm Female  
15 mm Compression Fitting  
(Brass)



**WX1536B**  
Adaptor 1/8" BSP (Green)  
(Short Wings) Female



**WX1508B**  
End Plug (Brass)



**WX1521(B)**  
Stem Tee



**WX1537B**  
Stem Adaptor 1/4"  
NPT Female (Brass)



**WX1509B**  
Stem Adaptor 12 mm - 15 mm



**WX1522(B)**  
Stem Elbow



**WX1538(B)**  
Adaptor 3/8" BSP Female (Brass)



**WX1511B**  
Stem Adaptor 11 mm - 15 mm



**WX1524(B)**  
Stem Adaptor 1/4"  
NPT Male (Brass)



**WX1539B**  
Stem Adaptor 3/8" Female (Brass)



**WX1513B**  
Adaptor 1/2" NPT Male (Brass)



**WX1528(B)**  
Adaptor 3/8"



**WX1542(B)**  
Adaptor 3/4" BSP Female



**WX1514B**  
Adaptor 1/2" BSP Male



**WX1531(B)**  
Elbow Adaptor 1/2" BSP  
Female



**WX1544(B)**  
1/2" Hose Connector (Brass)



**WX1515(B)**  
Tap Tail Assembly Adaptor 1/2"  
BSP Male



**WX1532(B)**  
Adaptor 1/2" BSP Female



**WX1548B**  
3/8" Hose Connector (Brass)



**WX1516B**  
Adaptor 3/4" BSP Male



**WX1533B**  
Adaptor 1/2" BSP Female (Brass)



**WX1546B**  
End Stop

#### Part Numbers Explanation:

B Suffix: refers to items available only in bulk packed quantities for high volume production OEM use

(B) Suffix: refers to items available in either retail packaging (e.g. WX1502) or in bulk packed quantities for high volume production OEM use (e.g. WX1502B).



**WX1552B**  
Adaptor 3/4" Garden Hose Thread  
(Green) Female



**WX1563(B)**  
Stem Adaptor 1/2" NPT Male (Brass)



**WX1565(B)**  
Pipework Mounting Clip (Black)



**WX1566B**  
Tank Fitting Assembly



**WX1567B**  
1/2" NPT Male - 1/2" BSP Male  
Shower Bulkhead Adaptor (Brass)



**WX1568B**  
Adaptor 3/4" Male - 1/2" Male (Brass)



**WX1569B**  
Pipework Mounting Clip (White)



**WX1573B**  
Shut-off Valve (Brass)



**WX1574(B)**  
Shut-off Valve



**WX1575B**  
Stem Shut-off Valve (Brass)



**WX1576B**  
Stem Shut-off Valve



**WX1080B**  
Adaptor 1/2" BSP Male - 10 mm  
Compression Fitting (Brass)



**WX1577B**  
Stem Ice Maker Fitting (Brass)



**WX1578B**  
Stem Ice Maker Fitting With  
15 mm Equal Tee (Brass)



**WX1582(B)**  
Check Valve - Non Return Valve  
(Brass)



**WX1583B**  
Adaptor 3/8" BSP Male



**WX1584B**  
Stem Adaptor 1/2"  
Flexible Hose Male



**WX1587B**  
Stem Adaptor 1/2"  
BSP Male



**WX1595B**  
Pressure Relief Valve - 6 bar  
1/2" Female



**WX1596B**  
Thermostatic Mixer Valve 1/2" Male  
(Brass) 15 mm and Check Valve /  
Non-Return Valve



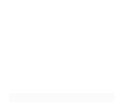
**WX7152**  
Standard Semi-Rigid Pipework  
15 mm Blue 10 m (33 ft)



**WX7152B**  
Standard Semi-Rigid Pipework  
15 mm Blue 50 m (164 ft)



**WX7154**  
Standard Semi-Rigid Pipework  
15 mm Red 10 m (33 ft)



**WX7154B**  
Standard Semi-Rigid Pipework  
15 mm Red 50M (164 ft)



**WX7156**  
Standard Semi-Rigid Pipework  
15 mm Green 10 m (33 ft)



**WX7156B**  
Standard Semi-Rigid  
Pipework 15 mm Green 50 m (164 ft)



**WX7162B**  
WHALEX Semi-Rigid Pipework 15 mm  
High Performance Blue 50 m (164 ft)



**WX7562B**  
WHALEX Semi-Rigid Pipework 15 mm  
High Performance Blue 152 m (500 ft)



**WX7164B**  
WHALEX Semi-Rigid Pipework 15 mm  
High Performance Red 50 m (164 ft)



**WX7564B**  
WHALEX Semi-Rigid Pipework 15 mm  
High Performance Red 152 m (500 ft)



**WX7166B**  
WHALEX Semi-Rigid Pipework 15 mm  
High Performance Green 50 m (164 ft)



**WX7168B**  
WHALEX Semi-Rigid Pipework 15 mm  
High Performance White 50 m (164 ft)



**WX8008B Waterweb™**  
14 Port Water Distribution System



**WX7950**  
Pipework Cutters - must be used to cut  
Whale Semi-Rigid Pipework


WHALEX Pipework is NSF61 listed and has the benefits of a more scratch-resistant surface and greater durability.



**section**  
Manual Waste Systems



3



Technical drawing showing the Front View and Side View of the 1000 Series 1/2" component. The Front View shows a circular base with a central vertical rod and a horizontal rod extending from the side. The Side View shows the component's profile, including the vertical rod and the angled side rod. Dimensions are provided in millimeters and inches.

View	Dimension	Value (mm)	Value (inches)
Front View	Overall Width	247mm	9 3/4"
	Overall Height	277mm	10 7/8"
Side View	Overall Width	280mm	11"
	Vertical Rod Diameter	108mm	4 1/4"
	Side Rod Angle	-	-

**Front View**

- Top width: 125mm (5")
- Total height: 139mm (5 1/2")
- Bottom width: 247mm (9 3/4")

**Side View**

- Total height: 241mm (9 1/2")
- Base width: 171mm (6 5/8")
- Flange width: 177mm (7")

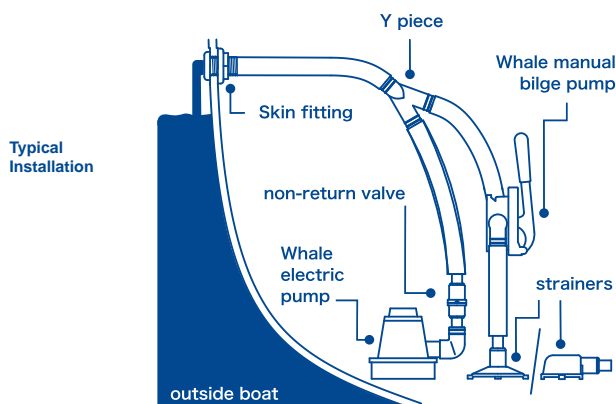
# Gusher® Urchin

- Three different mounting orientations (deck, bulkhead and thru deck models)
- Tough, lightweight proven design
- Compact design is ideal for confined spaces
- Clamp ring easily removed for pump head rotation and quick maintenance
- Smooth easy action up to 55 ltrs (14.5 US gals) per minute
- Dual size nozzles for 25 mm (1") or 38 mm (1½") hose
- Suitable for use on small to medium sized boats
- Suitable for upgrade to diesel transfer with Nitrile diaphragm (service kit AK9011)

- Emergency bilge pump out
- Holding tank pump out
- Toilet flush

Model	Fixed Handle	Thru Deck / Bulkhead	Removable Handle
Product Code	BP9005	BP9013	BP9021
Weight	0.6 kg (1.3 lbs)	0.96 kg (2 lbs)	0.7 kg (1.5 lbs)
Hose Connections	25 mm (1") or 38 mm or (1½") Smooth Hose Connections		
Materials	Pump Body: Glass-filled Polypropylene, Clamp Ring: Acetal Diaphragm: Neoprene, (Nitrile option available) Operating Lever (BP9021 only): Glass-filled Nylon Handle, Spring, Fasteners: Stainless Steel		
Materials In Contact With Fluid	Glass-filled Polypropylene, Nitrile, Neoprene, Stainless Steel		
Service Kits	AK9003 - Neoprene Parts AK9011 - Nitrile Parts for Oil and Diesel Contains: Diaphragms, Valves and Circlips		
Accessories		AS8680 - Spare Handle	
Maximum Suction Lift	4 m (13.5 ft)		
Maximum Discharge Head	3 m (10 ft)		

25 mm (1") Hose	BP9005 / BP9013 / BP9021	BP9005 / BP9013 / BP9021
Suction Lift	1 m (3 ft)	2 m (6 ft)
Discharge Head	0.5 m (1.5 ft)	0.5 m (1.5 ft)
45 Strokes per Minute	25 ltrs (7 US gals)	25 ltrs (7 US gals)
70 Strokes per Minute	43 ltrs (11.4 US gals)	40 ltrs (10.6 US gals)
38 mm (1½") Hose		
Suction Lift	1 m (3 ft)	2 m (6 ft)
Discharge Head	0.5 m (1.5 ft)	0.5 m (1.5 ft)
45 Strokes per Minute	37.5 ltrs (9.9 US gals)	36 ltrs (9.5 US gals)
70 Strokes per Minute	55 ltrs (14.5 US gals)	53 ltrs (14 US gals)



## Compac 50

### Low Profile Underdeck Bilge Pump

- Compact design for confined spaces
- Only 120 mm (4 $\frac{3}{4}$ ") deep for low profile installation underdeck
- Clamp ring easily removed for head rotation and quick maintenance
- Tough, proven, reliable design
- 40 ltrs (10.5 US gals) per minute
- Suitable for pumping saltwater and diesel

### Typical Uses

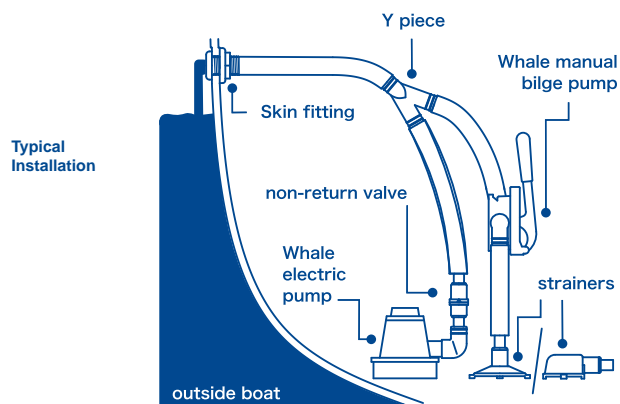
- Emergency bilge pump out
- Toilet flush

### Model Specifications

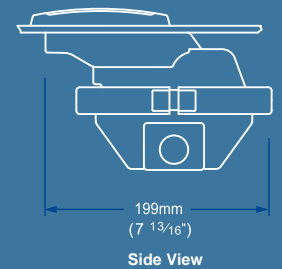
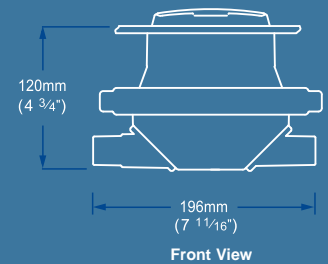
Model	Compac 50
Product Code	BP0350
Weight	0.9 kg (2 lbs)
Hose Connections	25 mm (1") Smooth Hose Connections
Materials	Pump Body: Glass-filled Polypropylene, Clamp Ring: Acetal Diaphragm, Valves and Seals: Nitrile, Operating Lever: Glass-filled Nylon Gaiter: EPDM, Deck Plate Cover: PBT, Fasteners: Stainless Steel
Materials In Contact With Fluid	Glass-filled Polypropylene, Nitrile, Stainless Steel
Service Kit	AK8035 - Service Kit for Compac 50 Contains: Diaphragm, Valves and Circlips
Accessories	AS0353 - Spare Handle
Maximum Suction Lift	3 m (10 ft)
Maximum Discharge Head	4 m (13.5 ft)

### Performance Data

Suction Lift	1 m (3 ft)
Discharge Head	0.5 m (1.5 ft)
45 Strokes per Minute	32 ltrs (9 US gals)
70 Strokes per Minute	35 ltrs (9.2 US gals)

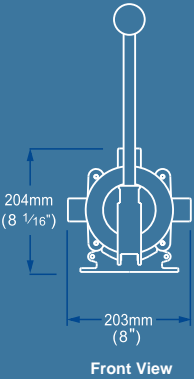


**BP0350**  
**Compac 50**  
5 Year Warranty

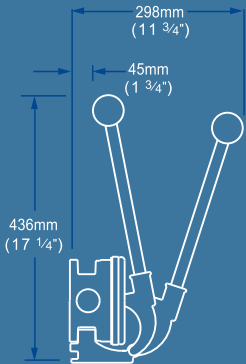




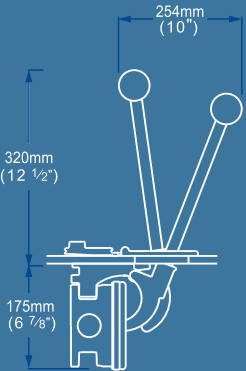
**Gusher® 10 Mk 3**  
5 Year Warranty



**Front View**



**BP3708  
Standard  
Side View**



**BP3740  
Thru Deck/Bulkhead  
Side View**

## Gusher® 10 Mk 3

### Diecast Alloy Bilge Pump

- Anodised diecast alloy for long life
- Robust design for tough conditions
- Designed for instant access and easy maintenance
- High flow non-choke valves, 65 ltrs (17 US gals) per minute
- Bulkhead, floor or thru deck mounting
- Suitable for use on boats over 12 m (40 ft)

### Typical Uses

- Emergency bilge pump out
- Holding tank pump out
- Toilet flush

### Model Specifications

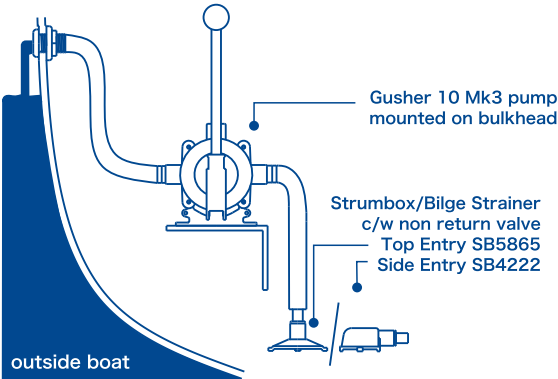
Model	Standard	Thru Deck / Bulkhead
Product Code	BP3708	BP3740
Weight	2.3 kg (5 lbs)	
Hose Connections	38 mm (1½") Smooth Hose Connections	
Materials	Pump Body: Marine Grade LM6 Aluminium Alloy (epoxy coated) Diaphragm: Neoprene (Nitrile option available) Fasteners: Stainless Steel	
Materials Contact With Fluid	Marine Grade LM6 Aluminium Alloy (Epoxy Coated) Neoprene, Nitrile, Stainless Steel	
Service Kits	AK3706 - Neoprene Parts AK3714 - Nitrile Parts for Oil and Diesel Contains: Diaphragm, Valves, Seals	
Accessories	DP3801 - Alloy Deck Plate DP8901 - Plastic Deck Plate Lid AK4405 - Spare Handle	
Maximum Suction Lift	4 m (13.5 ft)	
Maximum Discharge Head	4 m (13.5 ft)	

### Performance Data

	BP3708 / BP3740	BP3708 / BP3740
Suction Lift	1 m (3 ft)	2 m (6 ft)
Discharge Head	0.5 m (1.5 ft)	0.5 m (1.5 ft)
45 Strokes per Minute	41 ltrs (11 US gals)	41 ltrs (11 US gals)
70 Strokes per Minute	65 ltrs (17 US gals)	65 ltrs (17 US gals)

Skin fitting 38mm (1½") SF5425

Typical  
Installation



**Bilge Pumps****Gusher® Titan****Powerful, Lightweight Bilge And Waste Pump**

- High flow rate: 105 ltrs (28 US gals) per minute
- Clamp ring easily removed for pump head rotation and quick maintenance
- Tough, lightweight (1.5 kg / 3.3 lbs) proven design
- Bulkhead and thru deck models
- Suitable for use on boats over 12 m (40 ft)

**Typical Uses**

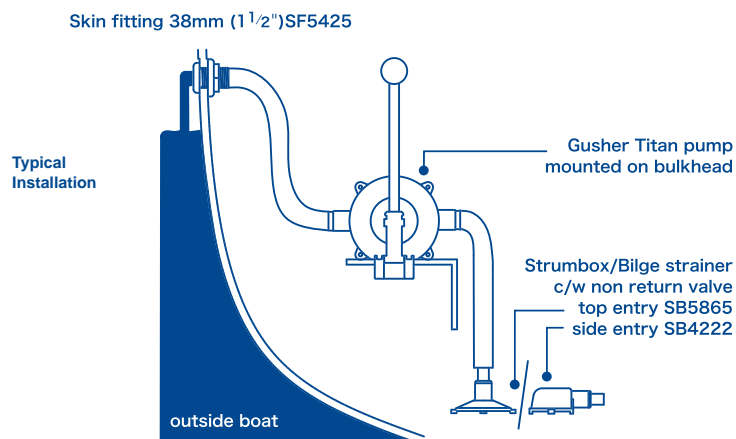
- Emergency bilge pump out
- Holding tank pump out
- Toilet flush

**Model Specifications**

Model	Standard	Thru Deck / Bulkhead
Product Code	BP4402	BP4410
Weight	1.5 kg (3.3 lbs)	1.85 kg (4.1 lbs)
Hose Connections	38 mm (1½") Smooth Hose Connections	
Materials	Pump Body: Glass-filled Polypropylene, Clamp Ring: Acetal Diaphragm and Valves: Neoprene, (Nitrile option available) Operating Lever: Glass-filled Nylon, Gaiter: EPDM Fasteners: Stainless Steel	
Materials In Contact With Fluid	Glass-filled Polypropylene, Acetal, Neoprene, Nitrile	
Service Kits	AK4400 - Neoprene Parts AK4419 - Nitrile Parts for Oil and Diesel Contains: Diaphragm, Valves, Seals	
Accessories	DP8904 - Deck Plate Kit AS4405 - Spare Handle	
Maximum Suction Lift	4 m (13.5 ft)	
Maximum Discharge Head	4 m (13.5 ft)	

**Performance Data**

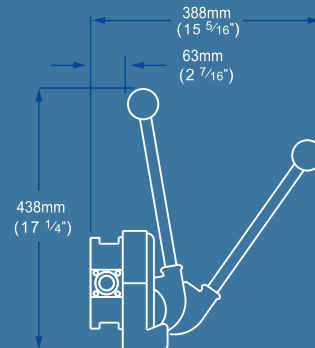
	BP4402 / BP4410	BP4402 / BP4410
Suction Lift	1 m (3 ft)	2 m (6 ft)
Discharge Head	0.5 m (1.5 ft)	0.5 m (1.5 ft)
45 Strokes per Minute	67 ltrs (18 US gals)	65 ltrs (17 US gals)
70 Strokes per Minute	105 ltrs (28 US gals)	98 ltrs (26 US gals)



**Gusher® Titan**  
5 Year Warranty

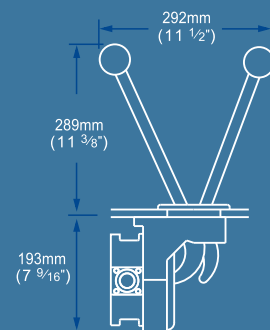


**Front View**



**BP4402  
Standard**

**Side View**

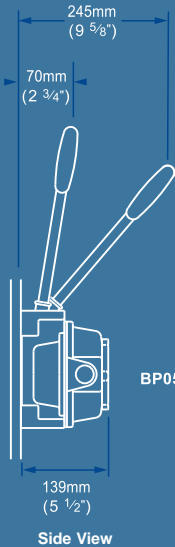
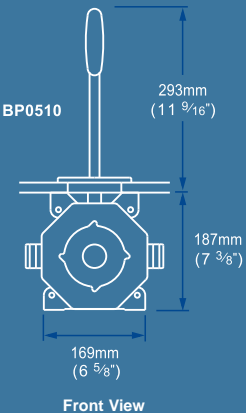
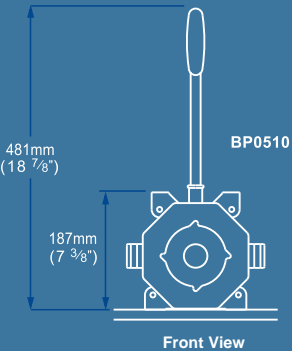


**BP4410  
Thru Deck/Bulkhead**

**Side View**



**Mk 5 Universal Pump**  
5 Year Warranty



## Mk 5 Universal Pump

### Bilge And Waste Water Transfer Pump

- Three different mounting orientations in one pump (deck, bulkhead and thru deck)
- Tough, proven, reliable design
- Inspection port allows for easy maintenance (no tools required)
- Fully protected diaphragm
- Odour-proof seals
- Non-choke valves
- High flow rate of 75 ltrs (20 US gals) per minute
- Approved by Lloyds (MSA) and U.S. Coast Guard as a lifeboat pump
- Suitable for pumping saltwater and diesel

### Typical Uses

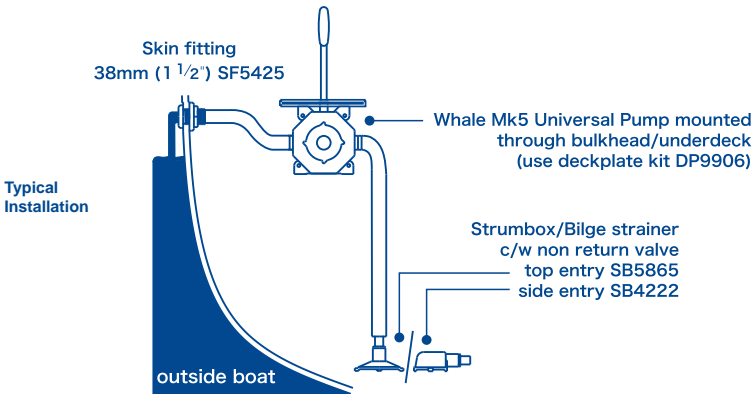
- Holding tank pump out
- Toilet flush
- Emergency bilge pump out
- Water ballast pump

### Model Specifications

Model	Mk5 Universal Pump
Product Code	BP0510
Weight	1.36 kg (3.0 lbs)
Hose Connections	38 mm (1½") Hose Connections
Materials	Pump Body: Glass-filled Polypropylene, Diaphragm Valves and Seals: Nitrile, Operating Lever: Acetal, Glass-filled Nylon Spring and Fasteners: Stainless Steel
Materials In Contact With Fluid	Glass-filled Polypropylene, Acetal, Nitrile, Stainless Steel
Service Kit	AK8050 - Service Kit for Mk5 Contains: Diaphragms, Valves and Circlips
Accessories	DP9906 - Deck Plate Kit (includes cover) AS5011 - Spare Handle
Maximum Suction Lift	4.5 m (15 ft)
Maximum Discharge Head	4.5 m (15 ft)

### Performance Data

Suction Lift	1 m (3 ft)
Discharge Head	0.5 m (1.5 ft)
45 Strokes per Minute	42 ltrs (11 US gals)
70 Strokes per Minute	66 ltrs (17.5 US gals)



**Bilge Pumps**

## MK 5 Sanitation Pump

**Toilet Waste Pump**

- Can be mounted in various orientations / positions
- Fully protected diaphragm
- Inspection port ensures easy maintenance (no tools required)
- Odour-proof seals
- White casing for colour matching
- Chemical-resistant Nitrile gaskets
- Compatible for use with diverter valves - Whale Diverter Valve (DV5606 see page 51)

**Typical Uses**

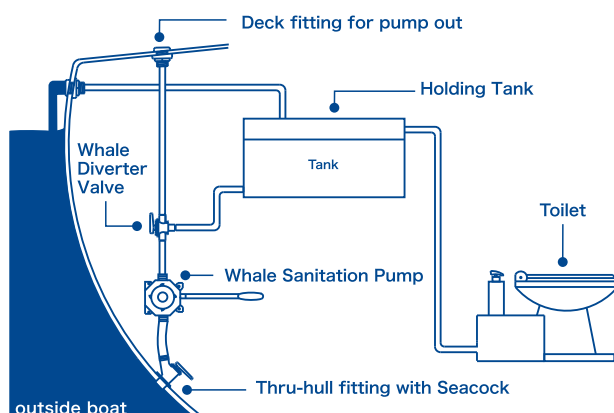
- Toilet flush
- Holding tank pump out
- Emergency bilge pump out

**Model Specifications**

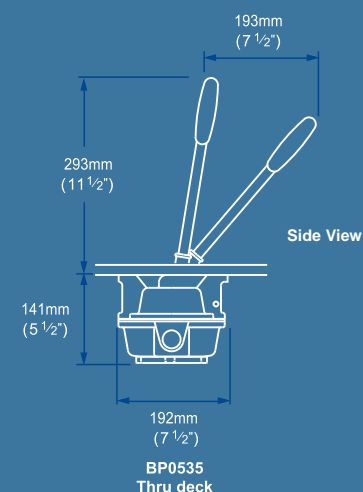
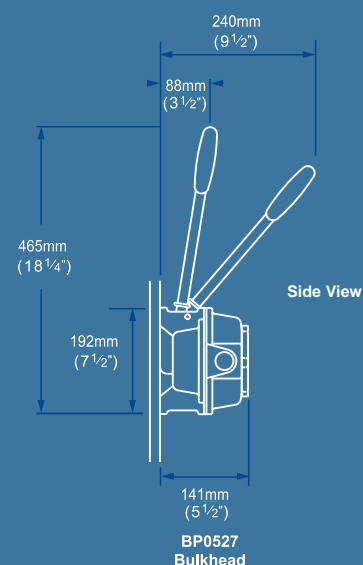
Model	Mk5 Bulkhead BP0527	Mk5 Thru Deck BP0535
Product Code	BP0527	BP0535
Weight	1.17 kg (2.6 lbs)	
Hose Connections	38 mm (1½") Hose Connections	
Materials	Pump Body: Glass-filled Polypropylene, Acetal Diaphragm and Seals: Nitrile, Operating Lever: Glass-filled Nylon Handle, Spring and Fasteners: Stainless Steel	
Materials In Contact With Fluid	Glass-filled Polypropylene, Acetal, Nitrile, Stainless Steel	
Service Kit	AK8050 - Service Kit for Mk5 Sanitation Contains: Diaphragms, Valves and Circlips	
Accessories	DP9905 - Deck Ring	
Maximum Suction Lift	4.5 m (15 ft)	
Maximum Discharge Head	4.5 m (15 ft)	

**Performance Data**

Suction Lift	1 m (3 ft)
Discharge Head	0.5 m (1.5 ft)
45 Strokes per Minute	42 ltrs (11 US gals)
70 Strokes per Minute	66 ltrs (17.5 US gals)

**Typical Installation**

**Mk 5 Sanitation Pump**  
5 Year Warranty



**Gusher® 30**

**Largest Capacity Bilge Pump In The Whale Range**

- Double action high capacity bilge pump
- Twin diaphragms mean high capacity, and ensures that pump continues working if one diaphragm is damaged
- No tools required for inspection or cleaning
- Available with a variety of mounting options including deck / floor, bulkhead or thru deck models
- Over 117 ltrs (31 US gals) per minute maximum output
- Non-corrosive, powder-coated, die-cast aluminium alloy
- Nitrile valves and diaphragms will pump oily bilge water, effluent and diesel

**Typical Uses**

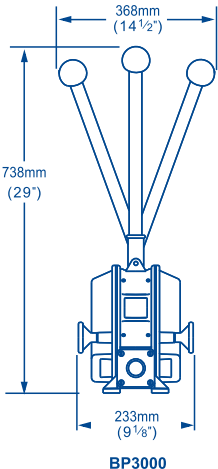
- Water ballast pump
- Emergency bilge pump out

**Model Specifications**

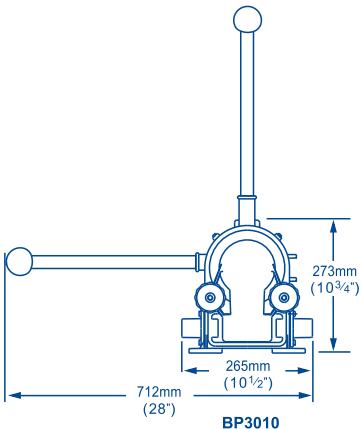
Model Product Code	On Deck BP3000	On Bulkhead BP3010	Thru Deck BP3020
Hose Connections	38 mm (1 ½") Hose Connections		
Weight	5.05 kg (11.1 lbs)		5.9 kg (13 lbs)
Materials	Pump Body: Marine Grade LM6 Aluminium Alloy (epoxy coated) Diaphragm: Nitrile, Bushes: Acetal, Handwheels: Nylon Fasteners: Stainless Steel		
Materials In Contact With Fluid	Marine Grade LM6 Aluminium Alloy (epoxy coated) Nitrile, Stainless Steel		
Service Kit	AK3050 - Service Kit for Gusher® 30 Contains: Diaphragms, Valves, Gasket		
Accessories	AS3020 - Thru Deck Conversion Kit (for BP3000) AS3095 - Spare Handle		
Maximum Suction Lift	4 m (13.5 ft)		
Maximum Discharge Head	4 m (13.5 ft)		

**Performance Data**

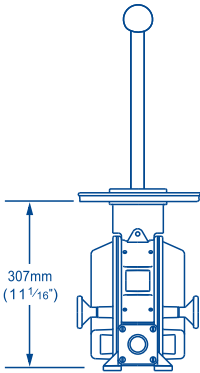
	BP3000 / BP3010 BP3020	BP3000 / BP3010 BP3020	BP3000 / BP3010 BP3020
Suction Lift	0	1 m (3 ft)	2 m (6 ft)
Discharge Head	0.5 m (1.5 ft)	0.5 m (1.5 ft)	0.5 m (1.5 ft)
45 Strokes per Minute	75 ltrs (20 US gals)	71 ltrs (19 US gals)	71 ltrs (19 US gals)
70 Strokes per Minute	117 ltrs (31 US gals)	111 ltrs (29 US gals)	111 ltrs (29 US gals)



**BP3000**  
Side View



**BP3010**  
Front View



**BP3020**  
Side View



**BP3000**  
**Gusher® 30**  
5 Year Warranty

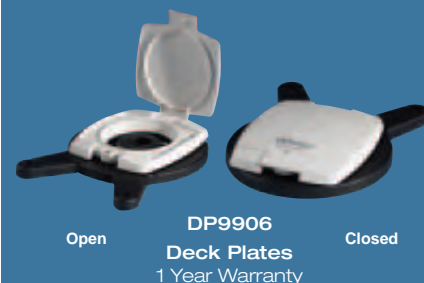
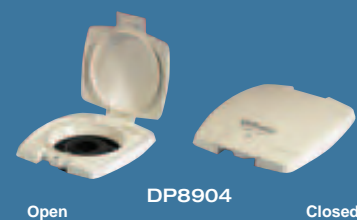
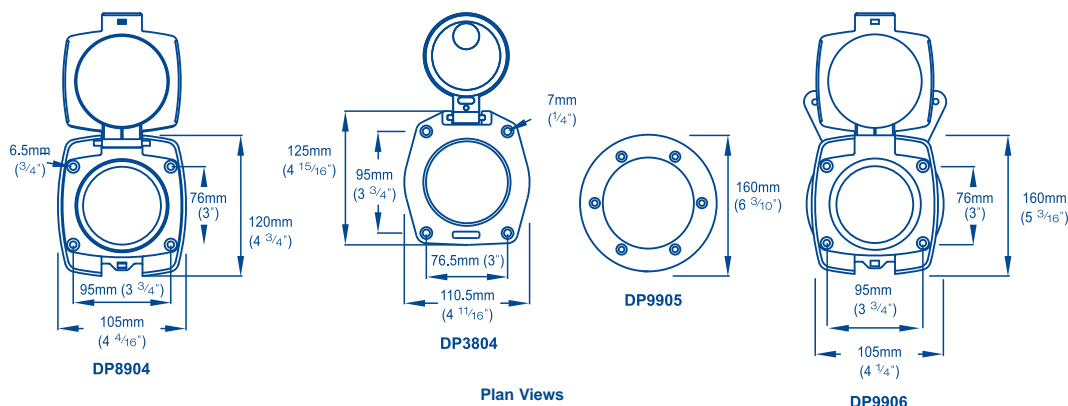
## Deckplates

### A Comprehensive Range Of Bilge Pump Covers

- Provides a neat cover over manual bilge pumps
- Aesthetic designs
- Manufactured from UV Stabilised plastic
- Will not fade or discolour
- Snap-shut lid remains closed when pump is not in use

#### Deckplate Selector

Product Code	Model	Materials	For Use With
DP8904	Plastic 4 Hole Model	PBT	Gusher® Urchin Gusher® Titan, Gusher® 10
DP3804	Metal 4 Hole Model	Cast and Aluminum LM6	Gusher® 10
DP9905	Plastic 6 Hole Deck Ring	Acetal	Mk 5 Underdeck
DP9906	Plastic 4 Hole Covered Model	PBT	All Mk 5 Models



**Easybailer**  
1 Year Warranty

## Easybailer

### Hand Pump For Bailing Out

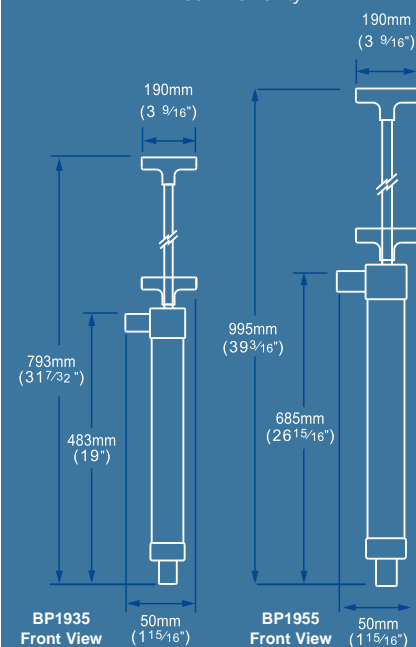
- Portable lightweight design
- Suitable for diesel transfer
- Ideal for bailing out small boats, dinghies or kayaks

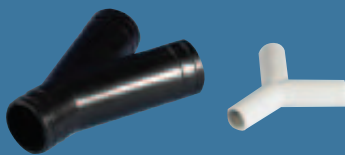
#### Model Specifications

Model	Short Barrel Version BP1935	Long Barrel Version BP1955
Product Code		
Hose Connections	25 mm (1") Hose Connections	
Weight	0.32 kg (0.7 lbs)	0.4 kg (0.9 lbs)
Materials	Pump Body: ABS, HDPE, Polypropylene, PVC, uPVC, Diaphragm: Neoprene, Fasteners: Stainless Steel	
Materials In Contact With Fluid	ABS, HDPE, Polypropylene, PVC, uPVC, Neoprene, Stainless Steel	

#### Performance Data

	BP1935 / BP1955	BP1935 / BP1955
Suction Lift	0	1m (3 ft)
Discharge Head	0.5 m (1.5 ft)	0.5 m (1.5 ft)
45 Strokes per Minute	19 ltrs (5 US gals)	19 ltrs (5 US gals)
70 Strokes per Minute	31.4 ltrs (8.3 US gals)	31.4 ltrs (8.3 US gals)





YP6114

YP6130

**Y Piece**  
1 Year Warranty



EB3488

EB6664

**Elbows**  
1 Year Warranty



LV1215

LV1219

**Non-Return Valves**  
1 Year Warranty



SF5018

SF5204

**Skin Fittings**  
1 Year Warranty

## Accessories - Pipework Connections

Whale supply a wide range of accessories designed specifically for use with Whale Pumps, creating a system solution for the installer.

### Y Piece

- Designed to enable two pumps to discharge through a single line
- Ideal for use when a diverter is not required

#### Model Specifications

Model	Y Piece	Y Piece
Product Code	YP6130	YP6114
Pipe Diameter	12.5 mm (½")	38 mm (1½")
Materials	Acetal	Glass-filled Polypropylene

### Elbows

- Ideal for use in installations in confined spaces

#### Model Specifications

Model	Elbow	Elbow
Product Code	EB3364	EB3488
Pipe Diameter	25 mm (1")	38 mm (1½")
Materials	Glass-filled Polypropylene	

### Non-Return Valves

- Provide an easy way to maintain prime in a suction or discharge line
- Designed to fit in-line
- Suitable for use with manual or electric pumps

#### Model Specifications

Model	Non-Return Valve	Non-Return Valve
Product Code	LV1215	LV1219
Pipe Diameter	25 mm (1") 38 mm (1½")	19 mm (¾")
Materials	Body: Glass-filled Polypropylene, Valve: Nitrile	

### Skin Fittings

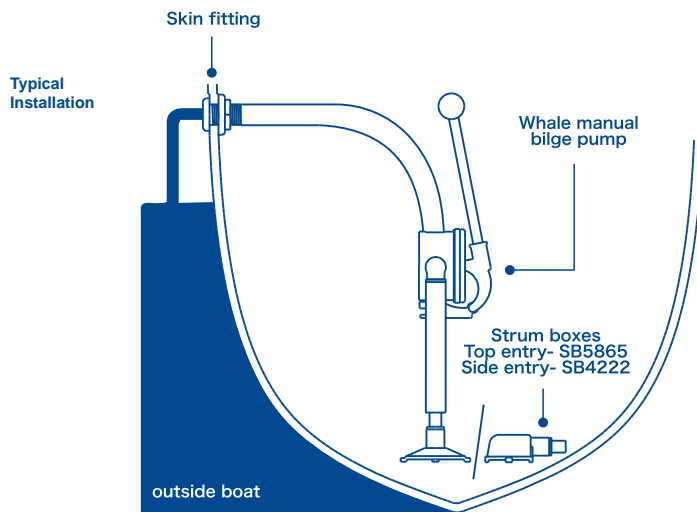
- Manufactured in strong high quality moulded non-corrosive acetal

#### Model Specifications

Model	Skin Fitting	Skin Fitting	Skin Fitting	Skin Fitting
Product Code	SF5018	SF5131	SF5204	SF5425
Diameter Size	16 mm (⅝")	19 mm (¾")	25 mm (1")	38 mm (1½")
Materials	Acetal			

## Bilge System - Typical Installation

Our market leading Whale manual bilge pump range provides the robust solution to bilge waste management. Used in conjunction with a range of products such as skin fittings, non-return valves, Y pieces and strum boxes, these pumps provide reliable system solutions tailored to suit the specific requirements of each installation.

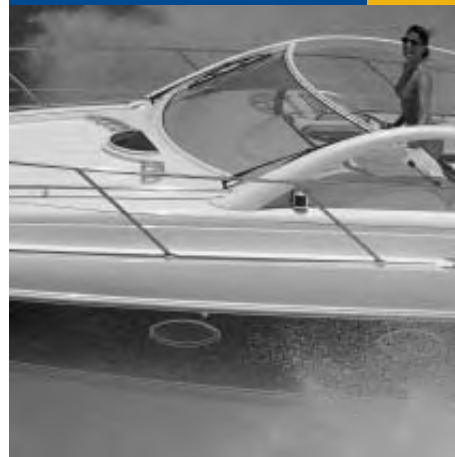


In all cases it is recommended that the largest capacity pump possible should be installed. For performance information on Whale Manual Bilge pumps (see pages 34 to 40). Contact Whale for specific installation advice.



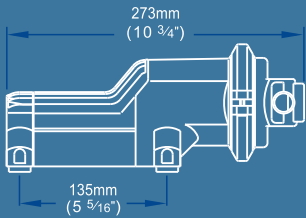
**section**  
Electric Waste Pumps

4

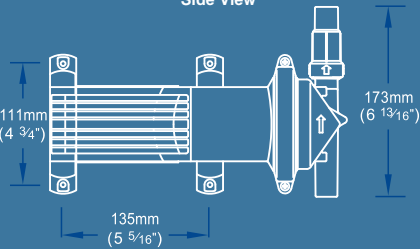




Gulper® 220  
1 Year Warranty



Side View



Plan View

## Gulper® 220

### Shower Drain, Waste Water And Bilge Pump

- Pumps waste water with a solid content typical of shower waste
- Non-choke valves
- Self-priming up to 3 m (10 ft)
- Can run dry without damage
- Can pump air / water mixtures
- Robust, reliable design
- Pumps up to 14 ltrs (3.7 US gals) per minute at open flow
- No filter required
- Quiet running
- Multi-directional head allows the pump to be mounted in the most convenient part of the boat
- Low power consumption

### Typical Uses

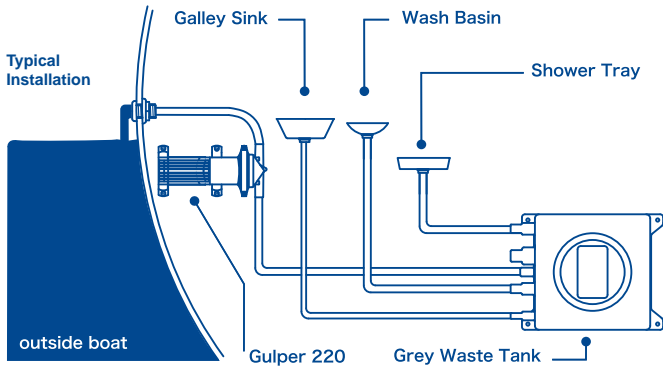
- Showers and sink drainage
- Baitwell recirculation
- Tank drainage / circulation

### Model Specifications

Model	Gulper® 220	
Product Code	BP1552	BP1554
Voltage	12 V D.C.	24 V D.C.
Recommended Fuse Size	5 amp	2.5 amp
Weight	1.5 kg (3.4 lbs)	
Hose Connections	19 mm (3/4")	
Minimum Wire Size	1.5 mm² (16 AWG)	
Materials	Pump Body: Aluminium, Glass-filled Nylon, Clamp Ring: Acetal Diaphragm: Santoprene®, Valves: Nitrile, Feet: EPDM Gearwheel: Delrin®, Fasteners: Stainless Steel, Brass	
Materials in Contact With Fluid	Glass-filled Nylon, Nitrile, Santoprene®, Stainless Steel	
Accessories	GW2228 / GW2210 - Grey Waste Tank (see page 52)	
Service Kit	AK1550 - Gulper® 220 Service Kit Contains: Diaphragm and Valves	
Maximum Suction Lift	3 m (10 ft)	
Maximum Discharge Head	3 m (10 ft)	
Maximum Discharge Head and Suction Lift	4 m (13.5 ft)	
Dry Running Current	2.4 amps	1.2 amps

### Performance Data

	BP1552 / BP1554	BP1552 / BP1554
Suction Lift	0	1 m (3 ft)
Discharge Head	1 m (3 ft)	1 m (3 ft)
Flow Rate per Minute	13.4 ltrs (3.5 US gals)	12.6 ltrs (3.4 US gals)
Current Draw	3.5 amps (12 V D.C.) 1.75 amps (24 V D.C.)	4 amps (12 V D.C.) 2 amps (24 V D.C.)



WARNING

**WARNING:** Gulper® 220 is not suitable for pumping diesel. For this application please contact Whale for information.

## Gulper® High Flow

### Remote Mounting Bilge Pump

- Up to 1500 ltrs (400 US gals) per hour at open flow rate
- Specially designed to pump waste water
- Non-choke valves
- No filter required
- Self-priming up to 3 m (10 ft)
- Can run dry without damage
- Pumps a mixture of air and water
- Easy to install in confined spaces
- Quiet running
- Multi-directional head allows the pump to be mounted in the most convenient part of the boat
- Low power consumption
- Performance meets ISO 15083 small craft bilge pump standard for vessels up to 12 m (39.4 ft)

### Typical Uses

- Remote mounting bilge pump
- Tank drainage

### Model Specifications

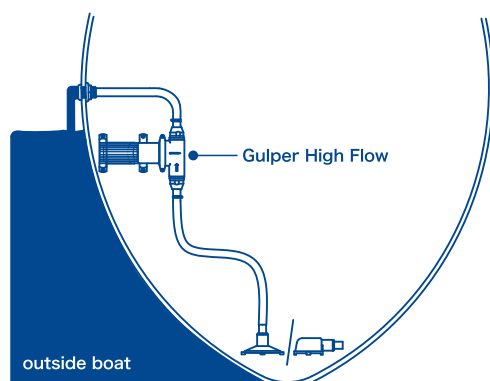
Model Product Code	Gulper® High Flow	
	BP3552B	BP3554B
Voltage	12 V D.C.	24 V D.C.
Recommended Fuse Size	7.5 amp	5 amp
Weight	1.6 kg (3.5 lbs)	
Hose Connections	25 mm (1")	
Minimum Wire Size	1.5 mm² (16 AWG)	
Materials	Pump Body: Aluminium, Glass-filled Nylon, Clamp Ring: Acetal Diaphragm: Santoprene®, Valves: Nitrile, Feet: EPDM Gearwheel: Delrin®, Fasteners: Stainless Steel, Brass	
Materials in Contact With Fluid	Glass-filled Nylon, Nitrile, Santoprene®, Stainless Steel	
Maximum Suction Lift	3 m (10 ft)	
Maximum Discharge Head	3 m (10 ft)	
Maximum Suction Lift and Discharge Head	4 m (13.5 ft)	
Dry Running Current	5 amps	2.5 amps

### Performance Data

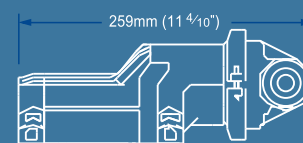
	BP3552B / BP3554B	BP3552B / BP3554B
Suction Lift	0	1 m (3 ft)
Discharge Head	1 m (3 ft)	1 m (3 ft)
Flow Rate per Hour	1325 ltrs (350 US gals)	930 ltrs (245 US gals)
Current Draw	6.2 amp (12 V D.C.) 3.1 amp (24 V D.C.)	9.7 amp (12 V D.C.) 4.85 amp (24 V D.C.)

Note: Gulper® High Flow flow rates are expressed in ltrs and US gals per hour.

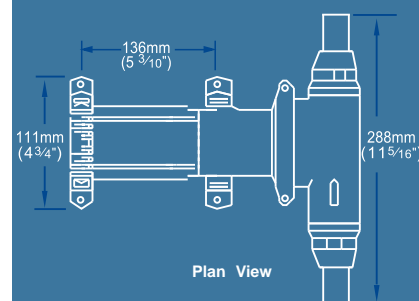
### Typical Installation



**Gulper® High Flow**  
1 Year Warranty



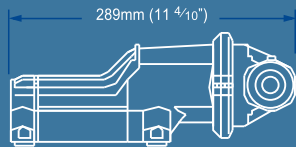
Side View



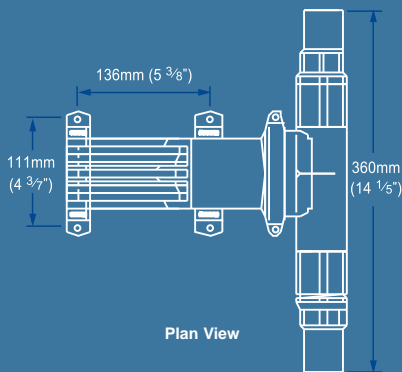
Plan View



Gulper® Toilet Pump  
1 Year Warranty



Side View



Plan View

## Gulper® Toilet Pump

### Pump Designed To Manage Unmacerated Toilet Waste

- Non-choke valves
- Pumps unmacerated toilet waste
- Can run dry without damage
- Pumps air / water mixtures
- Robust, reliable design
- Pumps up to 18 litres (4.75 US gals) per minute at open flow
- Multi-directional head allows the pump to be mounted in the most convenient part of the boat
- Self-priming up to 3 m (10 ft)
- No moving parts in the pump head ensures continuous pump action

### Typical Uses

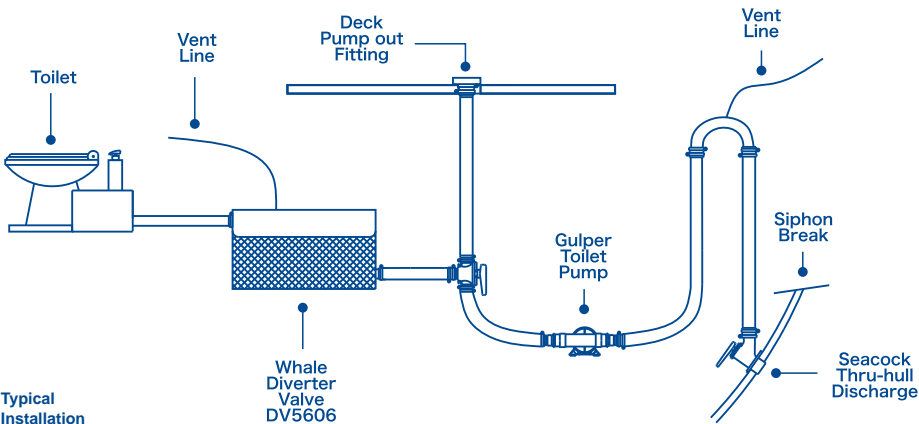
- Ideal for holding tanks and vacuum systems

### Model Specifications

Gulper® Toilet Pump		
Model		
Product Code	BP2552B	BP2554B
Voltage	12 V D.C.	24 V D.C.
Recommended Fuse Size	7.5 amp	5 amp
Weight	2.12 kg (4 ¾ lbs)	
Hose Connections	38 mm (1 ½")	
Minimum Wire Size	1.5 mm² (16 AWG)	
Materials	Pump Body: Aluminum, Glass-filled Nylon, Clamp Ring: Acetal Diaphragm: Santoprene®, Valves: Nitrile, Gearwheel: Bronze Feet: EPDM, Fasteners: Stainless Steel, Brass	
Materials In Contact With Fluid	Glass-filled Nylon, Santoprene®, Nitrile	
Maximum Suction Lift	3 m (10 ft)	
Maximum Discharge Head	3 m (10 ft)	
Maximum Suction Lift and Discharge Head	3 m (10 ft)	
Dry Running Current	5.5 amps	2.25 amps

### Performance Data

	BP2552B / BP4554B	BP2552B / BP4554B
Suction Lift	0	1 m (3 ft)
Discharge Head	1 m (3 ft)	1 m (3 ft)
Flow Rate per Minute	17.5 ltrs (4.6 US gals)	16.5 ltrs (4.4 US gals)
Current Draw	6.5 amp (12 V D.C.)	7.1 amp (12 V D.C.)
	3.25 amp (24 V D.C.)	3.55 amp (24 V D.C.)



Typical  
Installation

## Gulper® Grouper - Baitwell Pump

### Pumps Specifically Designed To Pump Out Fishbox, Livewell, And Baitwell Waste

- No impeller to clog or burn
- Non-choke valves
- Can run dry without damage
- Pumps air / water mixtures
- Single pump for multiple wells
- Heavy duty single diaphragm
- Easy to maintain and clean
- Up to 25.5 ltrs (6.75 US gals) per minute at open flow
- Low power consumption
- Multi-directional head allows the pump to be mounted in the most convenient part of the baitwell

### Typical Uses

- Management of baitwell waste
- Pump out of fishbox

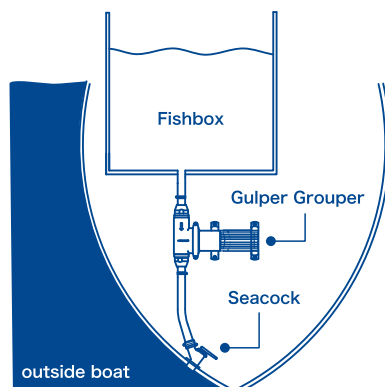
### Model Specifications

Model	Gulper® Grouper - Baitwell Pump			
	BP4552B	BP4562B	BP4554B	BP4564B
Product Code				
Voltage	12 V D.C.	12 V D.C.	24 V D.C.	24 V D.C.
Recommended Fuse Size	7.5 amp	7.5 amp	5 amp	5 amp
Minimum Wire Size	1.5 mm <sup>2</sup> (16 AWG)			
Weight	1.6 kg (3.5 lbs)			
Hose Connections	25 mm (1")	38 mm (1 1/2")	25 mm (1")	38 mm (1 1/2")
Materials	Pump Body: Aluminium, Glass-filled Nylon, Clamp Ring: Acetal Diaphragm: Santoprene®, Valves: Nitrile, Feet: EPDM Gearwheel: Delrin®, Fasteners: Stainless Steel, Brass			
Materials in Contact With Fluid	Glass-filled Nylon, Nitrile, Santoprene®, Stainless Steel			
Maximum Suction Lift	3 m (10 ft)			
Maximum Discharge Head	3 m (10 ft)			
Maximum Discharge Head and Suction Lift	4 m (13.5 ft)			
Flow Rate per Minute	25.5 ltrs (6.75 US gals)	21.8 ltrs (5.75 US gals)	25.5 ltrs (6.75 US gals)	21.8 ltrs (5.75 US gals)
Dry Running Current	5 amps	5 amps	2.5 amps	2.5 amps

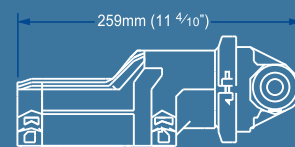
### Performance Data

	BP4552B / BP4562B BP4554B / BP4564B	BP4552B / BP4562B BP4554B / BP4564B
Suction Lift	0	1 m (3 ft)
Discharge Head	1 m (3 ft)	1 m (3 ft)
Flow Rate per Minute	22 ltrs (5.8 US gals)	19 ltrs (5 US gals)
Current Draw	6.2 amp (12 V D.C.) 3.1 amp (24 V D.C.)	9.7 amp (12 V D.C.) 4.85 amp (24 V D.C.)

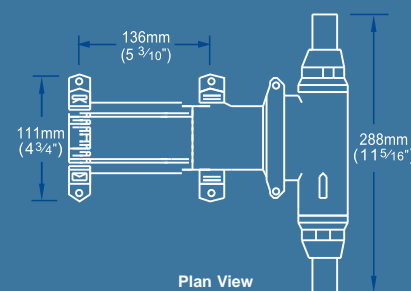
### Typical Installation



**Gulper® Grouper**  
1 Year Warranty



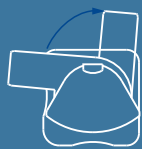
Side View



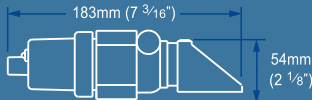
Plan View



**Super Sub**  
1 Year Warranty



**Front View**



**Side View**



**Plan View**

## Super Sub

**Electric Bilge Pump Designed For Narrow Bilges**

- Low profile design is ideal for narrow bilges
- Two position outlet hose
- Flow up to 1900 ltrs (500 US gals) per hour
- Very low power consumption
- Easy to clean snap fit assembly
- Leaves the bilge almost dry

**Model Specifications**

Model	Super Sub	Super Sub
Product Code	SS3612	SS5012
Voltage	12 V D.C.	
Recommended Fuse Size	3 amp	5 amp
Weight	210g (6½" oz)	230g (8 oz)
Hose Connections	19 mm (¾")	
Minimum Wire Size	1.5 mm² (16 AWG)	
Materials	Pump Body: Polypropylene, ABS, Locking Ring: Acetal Impeller: Glass-filled PBT, Seals: Nitrile, Fasteners: Stainless Steel	
Materials In Contact With Fluid	Polypropylene, ABS, Glass-filled PBT, Nitrile	

**Performance Data**

Discharge Head	Flow Rate In Litres (US gals) Per Hour	
	Power Consumption	
	SS3612 / SS5012	SS3612 / SS5012
0 m (0 ft)	1600 ltrs (420 US gals) 1.9 amps	1900 ltrs (500 US gals) 2.4 amps
1 m (3 ft)	1200 ltrs (320 US gals) 1.8 amps	1500 ltrs (400 US gals) 2.2 amps
2 m (6 ft)	500 ltrs (130 US gals) 1.8 amps	925 ltrs (250 US gals) 2 amps

Note: Super Sub flow rates are expressed in ltrs and US gals per hour.

## Diverter Valve

### Diverter Valve Designed For Use In Bilge And Toilet Systems

- Robust, reliable design
- Teflon® lubricated non-stick operation
- Precision machined for odour-proof seal
- Withstands sewage, saltwater and bilgewater
- Complies with U.S. Coast Guard rules for Type III waste systems
- Models available in either 25 mm (1") or 38 mm (1 1/2") hose connection

### Typical Uses

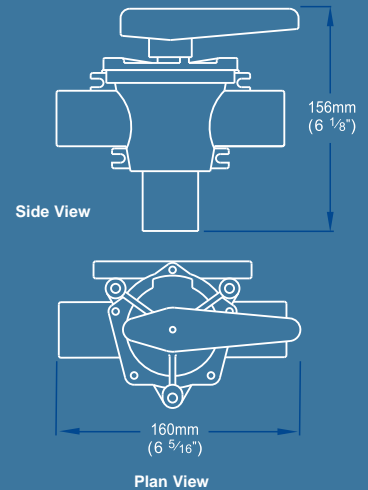
- Suitable for electric or manual waste management systems
- Used in bilge and toilet waste systems
- Allows one pump to draw from two locations
- Diverts flow to holding tank or overboard
- Diverts flow from holding tank to deck pump out

### Model Specifications

Model	Diverter Valve	Diverter Valve
Product Code	DV5630	DV5606
Hose Connections	25 mm (1")	38 mm (1 1/2")
Materials	Main Body: Acetal, Teflon®, Handle: PTFE Polyester	



Diverter Valve  
5 Year Warranty

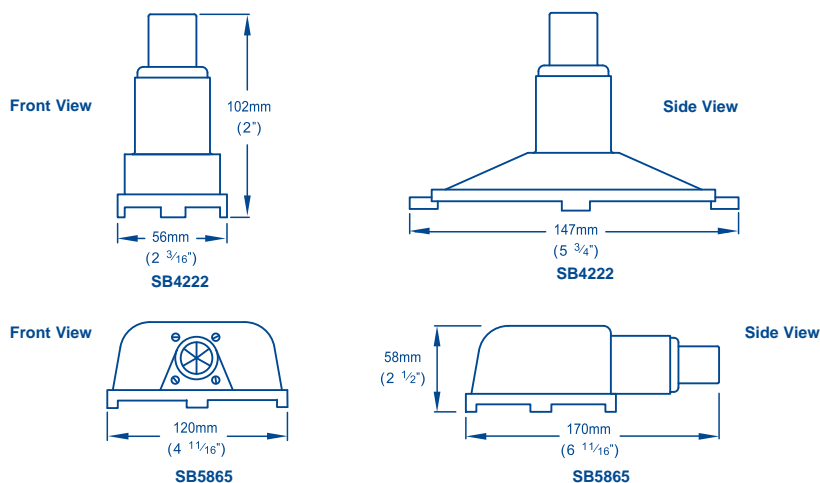


## Strum Boxes

### Strum Boxes Ideal For Use In Bilge Systems

- Prevents debris from entering suction hose
- Removable straining plate for easy cleaning
- Top entry and side entry versions available
- Top entry strainer is ideal for deeper bilges, or side entry for more shallow bilges
- Suitable for 25 mm (1") and 38 mm (1 1/2") hose
- Includes a non-return valve to prevent drainback

Model	Top Entry Strainer	Side Entry Strainer
Product Code	SB4222	SB5865
Materials	Polypropylene	



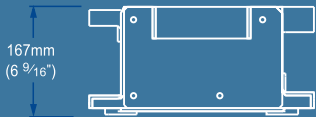
SB5865 SB4222  
Strum Boxes  
1 Year Warranty



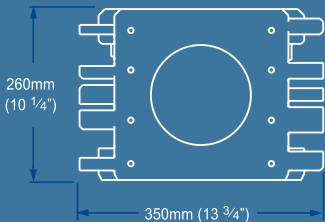
Grey Waste Tank  
1 Year Warranty



Typical installation showing  
GW2228 and BP3552B  
(Pump available separately)



Side View



Plan View

Grey Waste Tank

Manages All Waste Water From Showers, Sinks, Icemakers And Air Conditioning Units

- Choice of inlet and outlet port sizes which can be selected on installation
- Only one thru hull fitting is required for all grey waste
- Capacity 8.2 litres (2.2 US gals)
- Easy installation with angled feet
- Colour-coded wiring loom simplifies wiring
- Relay-protected float switch mounted to side of tank means no internal wiring
- Screw inserts on the side of tank allow a Whale Gulper® 220 / High Flow to be attached to the side of the tank, hence allowing shorter pipe runs (see example installation to left)
- Clear lid sits flush to top of the tank for easy inspection
- Neoprene seal prevents odour leakage

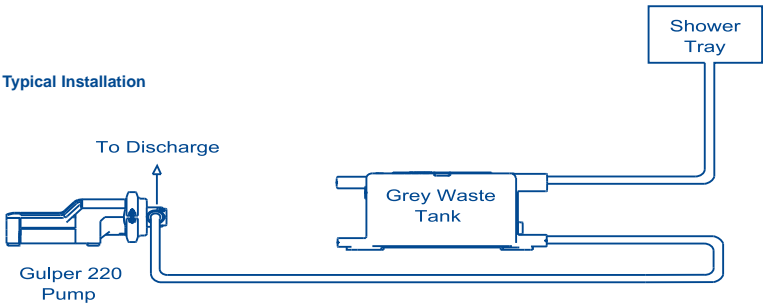
Model Specifications

Model Product Code	Grey Waste Tank	
	GW2228	GW2210
Voltage	12 V D.C.	24 V D.C.
Inlet Hose Connections	19 mm (3/4") X 2 25 mm (1") X 3 38 mm (1 1/2") X 3	
Outlet Hose Connections	19 mm (3/4") X1 25 mm (1") X1	
Materials	Main Body: Polyethylene, Seals: Neoprene Lid: Polycarbonate	
Service Kits	AK1000 - Replacement Float Switch	
Dimensions	260 mm (10 1/4") x 350 mm (13 3/4") x 170 mm (6 1/2")	
Tank Capacity	8.15 ltrs (2.15 US gals)	

The Whale grey waste system is the ideal solution in boat configurations where the shower tray will not drain by gravity alone. This may be the case when galley sinks or wash basins are located near or below the water line. By using the Whale Gulper® 220 / High Flow and Grey Waste Tank together, all shower waste is collected in one tank and pumped out through the hull or into a holding tank.

For optimal performance, the tank should be fitted as low as possible in the vessel.

Note: Grey waste refers to the waste that passes from shower trays and then through the shower drain.





## Contact details

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## Distributors

Whale marine water systems and service are available worldwide from the following distributors:

### UK

#### **Marathon Leisure Ltd.**

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Hayling Island, Portsmouth  
Hampshire PO11 0NH  
Tel: 02392 637711  
Fax: 02392 637722  
Email: sales@marathonleisure.co.uk  
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#### **Unipart Marine**

(formerly known as  
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www.burdengroup.com

### EUROPE

#### **AUSTRIA**

##### **Robert Lindemann KG**

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#### **BELGIUM**

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#### **CZECH REPUBLIC**

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#### **DENMARK**

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#### **FAROE ISLANDS**

##### **Båtataenastan PF**

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#### **GREECE**

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#### **HOLLAND**

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#### **HUNGARY**

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### TAHITI

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### SOUTH AFRICA

#### Central Boating Pty, Ltd.

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## ABBREVIATIONS

<b>A</b>	Amps
<b>ABYC</b>	American Boat And Yacht Council (USA)
<b>approx.</b>	Approximately
<b>AWG</b>	American Wire Gauge
<b>BMF</b>	British Marine Federation
<b>BSP</b>	British Standard Pipe Thread
<b>ft</b>	Feet
<b>g</b>	Grams
<b>ID</b>	Inner Diameter
<b>kg</b>	Kilograms
<b>lbs</b>	Pounds
<b>ltrs</b>	Litres
<b>ltrs/min</b>	Litres per Minute
<b>m</b>	Metres
<b>mins</b>	Minutes
<b>ml</b>	Millilitres
<b>mm</b>	Millimetres
<b>NMMA</b>	National Marine Manufacturers' Association (USA)
<b>NPT</b>	National Pipe Thread (USA)
<b>OD</b>	Outer Diameter
<b>oz</b>	Ounces
<b>psi</b>	Pounds per Square Inch
<b>US gals</b>	US Gallons
<b>US gals/ min</b>	US Gallons per Minute
<b>UV</b>	Ultra Violet
<b>V D.C.</b>	Voltage (Direct Current)
<b>"</b>	Inches

## ABBREVIATIONS - MATERIALS

<b>ABS</b>	Acrylonitrile-Butadiene-Styrene
<b>PTFE</b>	Polyester PolytetraFluoroEthylene-Filled Polyester
<b>EPDM</b>	Ethylene Propylene Diene Monomer
<b>HDPE</b>	High Density Polyethylene
<b>MDPE</b>	Medium Density Polyethylene
<b>PBT</b>	Polybutylene Terephthalate
<b>PC</b>	Polycarbonate
<b>PVC</b>	Polyvinyl Chloride
<b>uPVC</b>	Unplasticised Polyvinyl Chloride



## DISCLAIMER

All Whale products are rated and appropriate for use with water unless otherwise specified. Compatibility and suitability for other liquids should be verified prior to such use. All specification information on products included in this literature is based on tests using clean cold water unless otherwise specified. The 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 this brochure is guaranteed by Munster Simms Engineering Limited and Whale Water Systems Inc. (a wholly owned subsidiary of Munster Simms Engineering Limited) and may be subject to change at its sole discretion. Munster Simms Engineering Limited and Whale Water Systems Inc. (a wholly owned subsidiary of Munster Simms Engineering Limited) may, at its sole discretion, change the technical performance, dimensions or appearance of any of its Whale products without prior notification to a purchaser. Munster Simms Engineering Limited and Whale Water Systems Inc. (a wholly owned subsidiary of Munster Simms Engineering Limited) 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 Whale product. Where dimensions are stated, such dimensions are for guidance only. Inch measurements are conversions from millimetre dimensions and are shown to the nearest  $\frac{1}{16}$ ". US gallons volumes are conversions from litres and are also shown for guidance purposes only to the nearest  $\frac{1}{16}$ ". Please contact Whale if precise measurements are required.

## STATEMENT OF LIMITED WARRANTY

The products manufactured by Munster Simms Engineering Limited (Whale Water Systems Inc.) (the "Company"), are warranted to be free from defects in design, workmanship and material under normal use, save that this warranty shall not apply where the defect or fault is attributable to defective materials supplied by third parties where the Buyer's only remedy will be against that third party.

This warranty applies only to products that are properly installed and used in accordance with all maintenance and operation instructions provided by the Company.

Whale products are covered by a 1 year limited warranty (detailed below) from date of purchase, with the following enhancements:

Manual Bilge Pumps, Manual Freshwater, Manual Toilet Pumps:

5 years from date of purchase

Electric Freshwater Pumps:

1 year from date of purchase except Universal Pumps which are 2 years from date of purchase.

Quick Connect Plumbing- (fittings and WhaleX pipework only):

Whale Quick Connect fittings and WhaleX pipework (only) are covered for 10 years from date of purchase.

The Company reserves the right to repair, replace or issue a spares kit for the defective item subject to examination at Company premises. Adjustment or replacement of defective parts made under this warranty will not extend the original warranty period. The Company is not obligated to bear any costs of removal, installation, transportation, or other charges that may arise in connection with a warranty claim. No claim in respect of defective goods will be valid unless the alleged defective goods are returned at the Purchaser's expense to the Company for inspection with proof of purchase.

Products that have been disassembled or modified (without prior approval of the Company), are not included in the Company's warranty.

Non- stock / special order items are non- returnable, and warranty does not apply to prototype models.

## EXCLUSIONS:

Nothing in this clause shall be deemed to exclude or restrict the Company's liability for death or personal injury resulting from its negligence. The Company shall not be liable for any indirect loss or for any special, incidental, punitive or consequential damages suffered by the Purchaser and / or any other person 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 or in connection with any other claim.

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;

Damage to property of the Purchaser or anyone else;

Personal injury to the Purchaser or anyone else except insofar as such injury is attributable to the Company's negligence;

The Company shall under no circumstances be liable for any loss, damage, detention, delay or failure to perform hereunder (other than failure to pay money) 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 clause, outside the Company's control.

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.

The above does not affect the statutory rights of the consumer.

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 authorised by the Company to do so.

This statement shall be governed and construed in accordance with Northern Irish law and all disputes arising in connection with the statement shall be submitted to the jurisdiction of the Northern Irish Courts.

