



Photo by Sam Frysteen

## PUMPS, PLUMBING & GALLEY

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A blue product code or the appearance of this logo indicates the product requires special ordering. Please contact BLA on **1300 252 725** for information on these products.

  
boatinglifestyleadventure

## Pump Overview

*The key to getting the most out of your pump is to select the correct model for your boat. The size, model and build of your boat will greatly factor in the choice of which pump you will ultimately select.*

There is an alarming number of boaters that operate their vessels on Australia's waterways without a bilge pump, or for that matter, without a quality bilge pump. If the integrity of your vessel becomes compromised then your bilge pump, if it is the right one, will give you the best possible chance of staying afloat. BLA stock a selection of pumps that offer the boating public a comprehensive range to choose from. They have sourced the best quality products for the marine industry that will offer peace of mind boating. Whale®, SPX Johnson Pumps, TMC and Henderson are leading brands that boast years of history in the boating industry. Their pumps are renowned for their longevity and problem free operation.

### Manual Pumps

Manual operated pumps require the water to be physically pumped out. They can move large quantities of water but can be tiring to use. Manual pumps can be a valued addition to a boat as a standby failsafe in the event of your electrics failing.



### Centrifugal Pumps

The most common and well established model of pump, these are high capacity electrical pumps that rely on a spinning "wheel" driven by a shaft to pump the water. These are a popular pump and can move a lot of water quickly. A big plus with centrifugal pumps is that they are able to run without water for short periods of time without doing any immediate damage to the pump.



### Diaphragm Pumps

These pumps move fluid by making use of a membrane that increases and decreases the volume of a pumping chamber. They draw the fluid in and push it out through a set of one-way check valves. They are a self-priming pump which is a big plus. In some cases they require a strainer on the intake side as any form of debris can inhibit the performance of the pump.



### Pressure Pumps

Pressure pumps are mostly used for galley or head sink water supply and deck wash down pumps. They incorporate a pressure activated switch which turns the pump on as the tap is opened and pressure is reduced. They come in a variety of pressure and flow settings depending on the number of outlets and other factors. These pumps require a strainer on the intake side.



### Submersible Bilge Pumps

These pumps are placed low in the bilge of a boat and operate either via an on-off switch, float or electronic sensor switch.



### Float Switch

A switch that engages an electric pump. It works on the level of water in the vessels bilge, as the water level increases to a point that is above the float on the switch it will engage your pump. Once the level of the water decreases below that of the float it will automatically switch off the pump.



### Electronic Sensor Switch

A switch that automatically switches your pump on or off by sensing the presence of water through the plastic housing. A key feature about these switches is that they have no moving parts so wear and tear is not an issue.



## Boat Size

All electric bilge pumps are rated according to how much water they can move. This unimpeded flow rate is measured in gallons per hour or gallons per minute. The size of the pump that you choose will generally depend on the size of the boat that you own; but don't fall into the trap of thinking that a small boat only needs a small pump. Lower sides and smaller compartments mean that they are affected a lot quicker by water ingress. Fitting an oversize pump is a very good idea.

### In small to medium sized powered vessels a good rule of thumb is the following:

<b>Vessel size:</b>	under 18 feet - 300 to 500 gallons per hour	under 5.5 metres - 1135 to 1892 litres per hour
	18 to 23 feet - 450 to 700 gallons per hour	5.5 to 7 metres - 1703 to 2649 litres per hour
	22 to 26 feet - 100 to 1100 gallons per hour	7 to 7.9 metres - 378 to 4163 litres per hour

### In larger powerboats:

As your vessel size increases you would need to look at the addition of a manual pump as well as your electrical pump. This will give you peace of mind if your electrical pump fails, you will still be able to pump the water out manually. If your vessel has several compartments in, then fitting a pump to each compartment can be a very good idea. Its always better to have too many pumps than too few!

<b>Vessel size:</b>	26 to 30 feet - 800 to 1200 gallons per hour	7.9 metres to 9.1 metres - 3028 to 4542 litres per hour
	30 to 35 feet - 1000 to 1600 gallons per hour	9.1 to 10.7 metres - 3785 to 6056 litres per hour
	35 to 40 feet - 1600 to 2200 gallons per hour	10.7 to 12.2 metres - 6056 to 8327 litres per hour
	40 to 45 feet - 2000 to 4000 gallons per hour	12.2 to 13.7 metres - 7570 to 15141 litres per hour

### In sailboats:

Sailing boats can fall into another category altogether as they can list steeply while under sail, their bilges can be a lot deeper than standard vessels; and they can operate in rougher conditions than most other boats. Due to these facts, multiple pumps as well as a manual standby pump would be a good idea.

<b>Vessel size:</b>	22 to 26 feet - 600 to 800 gallons per hour	6.7 to 7.9 metres - 2271 to 3028 litres per hour
	26 to 30 feet - 800 to 1000 gallons per hour	7.9 to 9.1 metres - 3028 to 3785 litres per hour
	30 to 35 feet - 1000 to 1600 gallons per hour	9.1 to 10.7 metres - 3785 to 6056 litres per hour
	35 to 40 feet - 1600 to 2200 gallons per hour	10.7 to 12.2 metres - 6056 to 7570 litres per hour
	40 to 45 feet - 2000 to 4000 gallons per hour	12.2 to 13.7 metres - 7570 to 15141 litres per hour

### Installation hints:

- Always ensure that you stick to the manufacturers recommendations with regards to wire grades and thicknesses
- Keep discharge hoses as short as possible
- Use smooth bore hoses - corrugated hosing can affect the performance of your pumps
- Use vented loops if the through hull fitting on the outlet side can be submerged, or for example on sailboats that heel over while under sail





# Whale® Intelligent Control™

## A New Era of Fresh & Waste Water Control on Board



Whale® has developed a revolutionary and innovative range of pumps and accessories which use a built-in electronic control circuit to communicate directly with each other. Known as Intelligent Control (IC)™, this complete system allows the built-in software to control the pumps automatically in reaction to the accessory commands. The IC technology is not just an on/off pump control but a complete monitor of all relevant aspects of the system. Intuitive IC pumps are matched with IC accessories such as shower gulleys, manifolds and bilge strainers which sense waste and bilge levels, alerting the Gulper IC and providing automatic operation.

The Fresh IC freshwater pump monitors voltage, pressure and current, and provides for soft start and stop running with no mechanical switching, meaning less on/off cycling and longer system life. The new IC technology monitors relevant aspects of the system via integrated sensors with no moving parts. Designed with reliability in mind all IC components are fully protected against water ingress with fully potted circuitry. High integrity pre-wired connection systems feature marine grade waterproof electric connectors for quick and easy fit up. With continuous monitoring and self diagnosis the pump performance is continually scrutinised and adjusted depending on demand and supply voltage.

### Whale® Gulper® IC Grey Water Pump



High capacity grey waste pump with Intelligent Control electronics built-in ensuring that the pump operates only when required. When grey water is detected via an electronic signal received from either the Gulley IC or Two Way Manifold IC, the Gulper IC pump is automatically activated, minimising wear and reducing operating times.

#### Features:

- Automatic control receives electrical signals to turn on/off as required
- Soft start protects the pump for long life
- Electronics enable use with lower current switches
- Electronics are all internally housed
- One pump handles waste from multiple drains
- Fast drainage with high capacity up to 19L/m
- Self primes and runs dry without damage
- Easy to install, even on uneven surfaces



BLA Code	Power v	amp	Capacity L/m	g/m	Max Head m	Hose Size mm
132020	12	7.5	19	5	3	19/25
132026	24	3.25	17.4	4.6	3	19/25

### Whale® Strainer® IC



The Strainer IC with integral automatic Intelligent Control provides for quick system fit-up and connection. It operates by sending signals to a remotely mounted Gulper IC pump switching it on and off automatically when water is detected. Supplied with 4m of cable for direct connection to Gulper IC.

#### Features:

- Small footprint strainer fits into very confined bilge spaces
- Low current controlled switching means no burn outs from high currents
- On/off delay prevents cycling
- Environmentally friendly with no toxic mercury component
- Non-choke valves with no filter to block or clean
- Easy to install, even on uneven surfaces



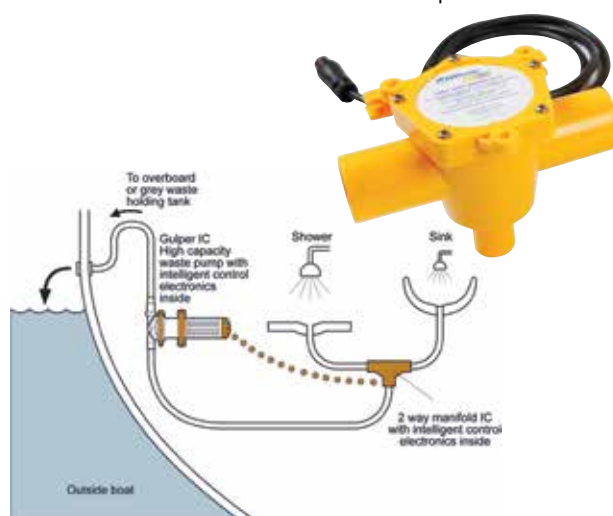
BLA Code	Hose Size mm	Length mm	Width mm	Height mm	Mount Screws mm
131672	19	148	60	58	4 r/h



### Whale® Two Way Manifold IC



The Two Way Manifold IC unit consists of two waste inputs and one outlet with Intelligent Control built-in. The intelligent built-in IC design allows waste from multiple drains to be detected, automatically activating the remote Gulper IC pump. Supplied with 4m of cable for direct connection to Gulper IC.



BLA Code	Hose Size mm	Width mm	Height mm	Depth mm	Mount Screws mm
132070	19	140	114	103	5 r/h
132074	25	140	114	103	5 r/h
132080	38	140	114	103	5 r/h



# Waste Water Handling

## Whale® Gulper® Grey Waste Pump - 320 High Capacity

The Gulper 320 self-priming pump is specifically designed to pump waste grey water from the shower tray, galley sink or to be used as a small bilge pump. Adjustable clamping ring allows the head assembly to be rotated 360° to accommodate plumbing position. Suitable for either 19mm or 25mm hose connection.



### Features:

- Quiet running
- Self priming to 3 metres
- Large single diaphragm
- Dual non-choke valves
- Pumps a mixture of air and water
- Secure mount – new wrap around mounting feature

### Capacity:

- 19 L/m at open flow 19mm hose
- Maximum lift 3 metres
- Maximum head 3 metres
- Lift and head combined 4 metres

### Materials:

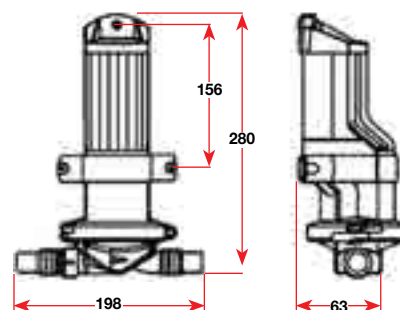
- Made from glass filled nylon, acetal, EPDM, stainless steel, santoprene, brass and aluminium



BLA Code	Power v	amp	Length mm	Width mm	Height mm
132014	12	7.5	280	200	115
132015	24	3.25	280	200	115

### Accessories:

131336 Service Kit



## SPX Viking Power Diaphragm Pumps - 16

The Viking Power 16 is self-priming up to a height of 3 metres. With its low pulse and muffled rubber bracket, this pump offers quiet operation. Specifically designed to pump waste water, the Viking Power 16 has been built to last, and engineered for easy maintenance. When it comes time to replace the premium grade reinforced nitrile rubber diaphragm, you can put in a spare without even removing the pump from the system. Supplied with 1" hose and 3/4" hose 1/2" BSP KlickTite™ XL connectors. 90° KlickTite™ XL connectors available as extra accessory.

**SPXFLOW**  
Johnson Pump®

### Specifications:

- Motor: 2.3 amp (12V), 1.2 amp (24V) at 0.1 bar
- Body: Nylon, glass-fibre reinforced
- Valves: Nitrile rubber
- Diaphragm: Reinforced nitrile rubber
- Capacity: open flow 16 L/m, 4.0 GPM at 0.1 bar
- Max lift: 3m
- Max head: 3m



BLA Code	Volts	Length mm	Width mm	Height mm	Weight kg
133390	12	186	238/181	118/204	2.6
133392	24	186	238/181	118/204	2.6

## SPX Viking Power Diaphragm Pumps - 32

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Johnson Pump®

The Viking Power 32 diaphragm pumps have been designed to meet the rigorous demands of the world's leading manufacturers of boats, recreational vehicles and busses. Thanks to its single-chamber design and non-choke valves, the Viking Power 32 can be used to pump un-macerated sewage to a holding tank or transfer it onwards to a septic tank.

### Specifications:

- Motor: 3.3 amp (12V), 1.6 amp (24V) at 0.1 bar
- Body: Nylon
- Valves: Nitrile rubber
- Diaphragm: Reinforced nitrile rubber
- Capacity: Open flow 32 L/m, 7.9 GPM at 0.1 bar
- Max lift: 2.5m
- Max head: 4m



133394

BLA Code	Volts	Connection	Length mm	Width mm	Height mm	Weight kg
133394	12	38mm / 1½"	277	264	192	5
133396	24	38mm / 1½"	277	264	192	5

## SPX Viking Power Vacuum Diaphragm Pumps

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Johnson Pump®

The Viking Power Vacuum has double check-valves and can therefore also be used in vacuum toilet systems. Naturally, pumping ordinary shower or sink drain water or bilge water is no problem for this pump.

### Specifications:

- Motor: 3.3 amp (12V), 1.6 amp (24V) at 0.1 bar
- Body: Nylon
- Valves: Nitrile rubber
- Diaphragm: Reinforced nitrile rubber
- Capacity: Open flow 24 L/m, 9.3 GPM at 0.1 bar
- Max lift: 5m
- Max head: 4m



133398

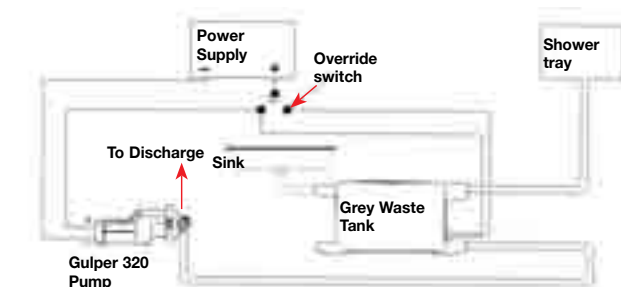
BLA Code	Volts	Connection	Length mm	Width mm	Height mm	Weight kg
133398	12	38mm / 1½"	357	271	192	5.1
133399	24	38mm / 1½"	357	271	192	5.1

## Whale® Grey Waste Tank

**Whale®**

Where shower drains or galley sinks are near or below the waterline, preventing drainage by gravity, the Whale® Grey Waste tank provides a low position sump for collection of water with single outlet to pump overboard or to a holding tank. Fitment of the Gulper 320 pump can be direct to well nuts moulded in side of tank, or installed remotely depending on requirements. Simplified wiring includes an electronic field sensor switch with no moving parts to activate the remote pump. Multi-dimensional inlet ports enable a variety of hose sizes to be connected from showers, sinks, ice makers, air conditioners, and similar. Feature easy quick access for cleaning.

### Typical Remote Pump Installation



132003

BLA Code	Volt	Max. Pump amp	Outlet Dia. mm	Inlet Dia. mm	Capacity L	Length mm	Width mm	Height mm
132003	12/24	30	1x19 / 1x25	2x19 / 3x25 / 3x38	8.15	255	230	170
851302	12/24	30	2x25	4x25 / 4x35	16	600	260	170

### Spare Parts:

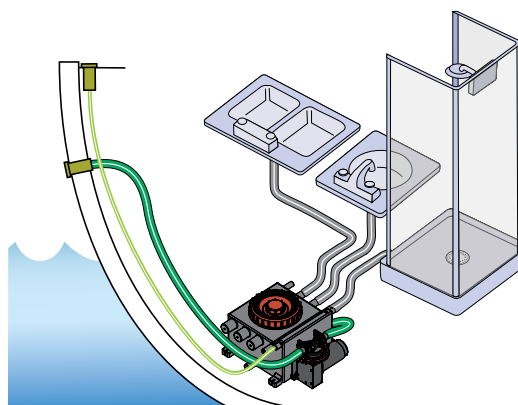
131988 Replacement clear lid including 131691 field sensor

## SPX Grey Water Tank

The Grey Water Tank is designed to be used as a collection tank for waste water from showers, sinks, dishwashing machines, and similar. The tank includes an Ultima Switch for automatic operation and is easy to connect to any 12V/24V pump up to 20 amp. The tank is prepared for Viking Power 16, with pre-drilled holes for the pump.



Pump not included



BLA Code	Volt	Max. Pump amp	Outlet Dia. mm	Inlet Dia. mm	Length mm	Width mm	Height mm
132005	12/24	20	19/25/38	19/25/38	340	280	185

## Whale® Grey Waste System with Pump



Fully self contained sump with Whale® 500GPH submersible pump, multiple inlets and automatic electronic field sensor switch designed to pump grey waste overboard, or to holding tank, via a single outlet hose. Quick access clear snap shut lid with integrated seal provides instant visibility of stainless steel filter for build up and allows easy access for cleaning. Multi-sized outlet hose connection (19mm to 25mm) is open while the three multi-size inlet connections ranging from 19mm to 38mm are closed ready to be drilled or cut open as required. For additional inlets, skin fittings may be installed in the side of the box.



BLA Code	Volt	Amp Draw	Output @ 1/m head
			L/m gph
132000	12	2	20 315



## SPX Aqua Duo WPS - 10.4



This high demand unit consists of two parallel connected Aqua Jet WPS five-chamber diaphragm pumps integrated with a pre-pressurised 2L accumulator tank and inline strainer. The unit's design allows for either vertical or horizontal installation.

### Features:

- Whisper quiet operation
- Five-chamber construction
- Smooth flowing
- Self-priming
- Easy, low cost maintenance
- Quick-connect hose
- Integrated pressure switch
- Long service life
- Corrosion resistant base



BLA Code	Volts	Capacity	Cut Out Pressure	Fuse Size	Configuration	Connections
		L/m GPM	bar psi			mm
133360	12	40 10.4	2.8 41	25A	STD	19 hose
133362	24	40 10.4	2.8 41	15A	STD	19 hose
133364	12	40 10.4	2.8 50	25A	STD/VAR	19 hose
133366	24	40 10.4	2.8 50	15A	STD/VAR	19 hose
133368	12	40 10.4	2.8 71	25A	VAR/HP	19 hose
133370	24	40 10.4	2.8 71	15A	VAR/HP	19 hose
133372	12	40 10.4	2.8 71	25A	HP/HP	19 hose
133374	12	40 10.4	2.8 71	15A	HP/HP	19 hose

### Spare Parts:

- 131738 Strainer Aqua Jet Inlet  
133470 Pressure Switch Aqua Jet Micro



## SPX Jet Uno Max WPS - 2.9 & 3.5

This medium demand unit from SPX Johnson Pump consists of an Aqua Jet WPS five-chamber diaphragm pump integrated with a pre-pressurised 2L accumulator tank and inline strainer. The unit's design allows for either vertical or horizontal installation.

### Features:

- Whisper quiet operation
- Five-chamber construction
- Smooth flowing
- Self-priming
- Easy, low cost, maintenance
- Quick-connect hose
- Integrated pressure switch
- Long service life

BLA Code	Volts	Capacity		Cut Out Pressure		Fuse Size	Connections
		L/m	GPM	bar	psi		
133376	12	11	2.9	2.8	41	10A	19 hose
133378	24	11	2.9	2.8	41	5A	19 hose
133380	12	13	3.5	2.8	41	10A	19 hose
133382	24	13	3.5	2.8	41	5A	19 hose

### Spare Parts:

- 131738 Strainer Aqua Jet Inlet  
133470 Pressure Switch Aqua Jet Micro



**SPXFLOW**  
Johnson Pump

## SPX Aqua Jet Flow Master 5.0 WPS - Variable Flow

The whisper quiet Flow Master 5.0 incorporates state-of-the-art electronics to automatically control pump speed. The digital controller adjusts water flow as the demand is increased and decreased while maintaining a very smooth flow. The unique variable flow feature of the Flow Master pump allows the pump to be mounted without an accumulator tank and still maintain an even flow regardless if one or multiple taps are being used.

### Specifications:

- Motor: WPS 5.0 – 150 W, 12/24V DC (with built-in thermal protection)
- Body: Nylon/Polypropylene
- Valves: Santoprene/EPDM
- Diaphragm: Santoprene
- Connection: 3/8" BSP / hose 1/2", 1/2" BSP / hose 3/4"



133324

BLA Code	Description	Weight kg	Length mm	Width mm	Height mm	Capacity	Fuse Size	Pressure Cut Off*
133324	WPS FM 5.0, 12V	2	239	209	113	19 L/m – 5 GPM	15A	3.5 bar / 50 psi
133326	WPS FM 5.0, 24V	2	239	209	113	19 L/m – 5 GPM	8A	3.5 bar / 50 psi

### Spare Parts:

- 131738 Strainer Aqua Jet Inlet  
133470 Pressure Switch Aqua Jet Micro

N.B. \*Cut off pressure 2.1 bar/30 psi and 1.4 bar/20 psi available on request

\*\* NPT-connection available on request

## SPX Aqua Jet Base Suit Duo/Uno

The UNO Base assembly complete with 2L accumulator tank allows you to convert WPS 4.0, 5.2 and Flow Master pumps including wash down into a compact pressurised system.

**SPXFLOW**  
Johnson Pump



BLA Code	Description
133350	Aqua Jet UNO Base



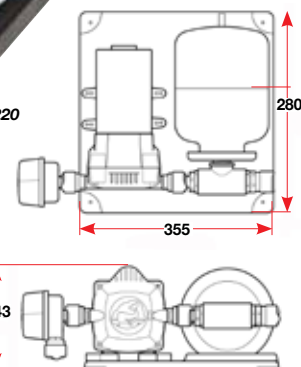
## Whale Accumulator Pump Kit

Combined pump and accumulator kit ensures smooth even flow of water to all outlets. Reduced noise and vibration by preventing pump cycling. One piece kits include a 2 litre compact accumulator tank.

Pre-assembled, easy to install, can be fitted to new or existing systems. Connection directly to Whale 15mm Quick Connect pipe work (refer page 279) as well as 1/2" flexible hose using included adaptors.



133220



BLA Code	Volt	Fuse size Amps	Open Flow Rate L/m	Cut Out Pressure psi	Weight kg	Max Suction Lift m	Max Discharge Head m
133220	12	10	11.5	30	3.9	20	3
133222	24	5	11.5	30	3.9	30	3
133224	12	10	11.5	45	3.9	20	3
133226	24	5	11.5	45	3.9	30	3

### Spare Part:

133228 Accumulator tank only 2L

## SPX Accumulator Tank

The use of an accumulator tank is recommended to ensure effective and reliable system function. With an accumulator tank incorporated in the system, the intervals between cut-in and cut-out will be longer when only small amounts of water are drawn off. Less wear and tear on the pump with fewer starts and stops. Pre-pressurised at 0.8 bar / 12 psi.

### Specifications:

- Connection: 1/2" & 3/4" hose (133340), 3/4" hose (133342),

SPXFLOW  
Johnson Pump



133340

BLA Code	Description	Weight kg	Volume L	Dia. mm	Height mm
133340	Accumulator includes all fittings	1.2	2	160	315
133342	Accumulator tank only	-	5	-	-

## Whale Accumulator Tank

2L Accumulator tank. Connects directly to Whale Quick Connect 15 mm plumbing system.

Whale®



BLA Code  
133228

## Whale® Automatic Watermaster Pressure Pump

Whale® are a leader in pressure pump design and manufacture, renowned for reliability, efficiency, performance. The Watermaster range is suitable for both salt or freshwater applications and providing extremely smooth and consistent water flow rates to a variety of outlets with minimal noise.

The self priming automatic Watermaster pressure pump features a fully protected high specification motor encased in a tough outer housing with integrated adjustable rubber mounts. Designed for easy installation each pump is pre-wired and includes built in Quick Connect inlet and outlet for fast connection directly to System 15 plumbing.

The attractive retail boxed units include a pre strainer/filter that pivots to suit plumbing direction and 2 x 13mm barbed hose connections plus 2 x 1/2" BSP threaded tails for connection to non Quick Connect 15 plumbing. The OEM pump is supplied with strainer/filter only. Each pump is ideally suited to a wide range of applications suitable for marine, caravan, motor home, plus off road vehicles and are available in a selection of 12 and 24 volt models.

### Features:

- A range of models for 1 to 2 and 3 to 4 outlets
- Capacity of 8 and 11.5L/m available
- Adjustable mounting feet provides excellent insulation
- Smooth constant flow
- Can be run dry without damage
- Extra protection and safety with wires and pressure switch housed internally
- Self-priming up to 3 metres
- Fully sealed protective motor housing with integrated electronics
- IP65 Rated, meaning no water ingress



133240



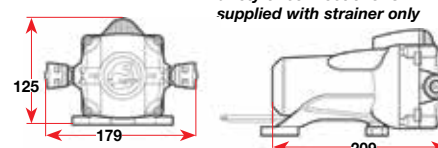
Available in retail display box or bulk OEM



Retail kit includes strainer and variety of connections. OEM supplied with strainer only



BLA Code	Packaging	Volts	Open Flow Rate L/m	No. of Outlets	Max. Head m	Lift m	Cut Out Pressure bar	psi
133240	Retail	12	8	1-2	30	3	2	30
133241	OEM	12	8	1-2	30	3	2	30
133244	Retail	12	11.5	3-4	30	3	3	45
133245	OEM	12	11.5	3-4	30	3	3	45
133246	Retail	24	11.5	3-4	30	3	3	45
133247	OEM	24	11.5	3-4	30	3	3	45



## Whale® Universal Pressure Pumps



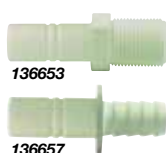
Supplied with Quick Connect inlet and outlet for fast connection directly to System 15 plumbing. Includes pre-strainer/filter that pivots to suit plumbing direction. 2 x 13mm barbed hose connections and 2 x 1/2" BSP threaded tails also included for connection to non Quick Connect 15 plumbing.

### Features:

- Probably the marine world's quietest range of pressure pumps
- A range of models for two, four and six outlet or wash down application in 12 or 24 volts
- Capacity of 8, 12 and 18 litres per minute
- Universal mounting feet arrangement fits almost any existing pressure pump mount hole configuration
- Suitable for use with fresh or saltwater
- Smooth constant flow
- Can be run dry without damage
- Extra protection and safety with wires and pressure switch housed internally
- Self priming up to three metres
- Aluminium motor housing
- Run indicator wire allows tell tale light and/or buzzer to operate remotely

### Pump Head Materials:

- Glass filled polypropylene, neoprene, nitrile, stainless steel, butyl



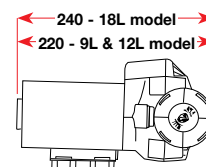
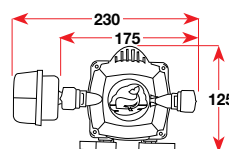
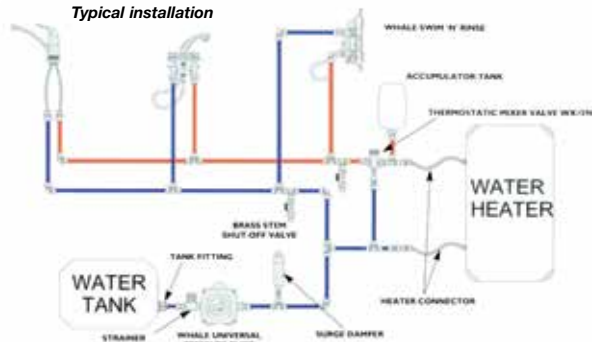
BLA Code	Volt	Open Flow L/m	No. of Outlets	Max. Head m	Lift m	Cut Out Pressure bar psi
133230	12	8	2-3	30	3	3 45
133233	24	12	3-4	30	3	3 45
133234	12	12	3-4	30	3	3 45
133235	12	18	4-6	30	3	3 45
133236	24	18	4-6	30	3	3 45

### Accessories:

- 133251 Replacement pump head assembly
- 133252 Filter assembly
- 136653 1/2" BSP tail
- 136657 13mm barbed hose tail



Typical installation



## SPX Aqua Jet WPS Diaphragm Pumps

SPXFLOW  
Johnson Pump®

Quiet and pulsation-free even at low speeds, the Aqua Jet five chamber diaphragm pump provides the perfect water pressure solution for both small and medium sized leisure and commercial boats. Efficient and compact, Aqua Jet pumps are particularly suitable where low amperage and sound levels in relation to water flow are placed at a premium - such as in shower and galley applications. Operates in fresh or sea water. Self-priming.

### Specifications:

- Diaphragm: Santoprene
- Valves: EPDM Rubber
- Body: PP Food Grade Composite
- Motor: 85W
- Connection: 3/8" hose (133300), 3/8" BSP / hose 1/2", 1/2" BSP / hose 3/4" (133306 - 133322)



BLA Code	Description	Weight kg	Length mm	Width mm	Height mm	Capacity	Fuse Size	Pressure Cut Off*
133300	Aqua Jet Mini 3.8, 12V	1.1	-	-	-	3.8 L/m	4A	2.4 bar / 35 psi
133306	Aqua Jet WPS 2.9, 12V	1.6	204	197	116	11 L/m - 2.9 GPM	10A	2.8 bar / 41 psi
133308	Aqua Jet WPS 2.9, 24V	1.6	204	197	116	11 L/m - 2.9 GPM	5A	2.8 bar / 41 psi
133312	Aqua Jet WPS 3.5, 12V	2	236.5	210	110	13 L/m - 3.5 GPM	10A	2.8 bar / 41 psi
133314	Aqua Jet WPS 3.5, 24V	2	236.5	210	110	13 L/m - 3.5 GPM	5A	2.8 bar / 41 psi
133316	Aqua Jet WPS 4.0, 12V	2	240	214	110	15 L/m - 4.0 GPM	10A	2.8 bar / 41 psi
133318	Aqua Jet WPS 4.0, 24V	2	240	214	110	15 L/m - 4.0 GPM	5A	2.8 bar / 41 psi
133320	Aqua Jet WPS 5.2, 12V	2	240	214	110	20 L/m - 5.2 GPM	15A	2.8 bar / 41 psi
133322	Aqua Jet WPS 5.2, 24V	2	240	214	110	20 L/m - 5.2 GPM	8A	2.8 bar / 41 psi

N.B. \*Cut off pressure 2.1 bar/30 psi and 1.4 bar/20 psi available on request

\*\* NPT-connection available on request

## SPX Aqua Jet Wash Down Pumps - 3.5 & 5.2

Complete with trigger nozzle, pump protector inlet strainer and hose connections for 1/2" hose. Both BSP and NPT connections included in package.

### Specifications:

- Motor: WD 2.9 - 90 W, 12/24V DC, WD 3.5 - 120 W, 12/24V DC, WD 5.2 - 185 W, 12/24V DC (with built-in thermal protection)
- Body: PP Food Grade Composite
- Valves: Nitrile
- Diaphragm: Santoprene
- Connection: 3/8" BSP / hose 1/2"
- **133298** includes 4.5 metre hose



BLA Code	Description	Weight kg	Length mm	Width mm	Height mm	Capacity	Fuse Size	Pressure Cut Off*
<b>133336</b>	WD 3.5, 12V	2	236.5	210	116	13 L/m - 3.5 GPM	15A	5 bar / 70 psi
<b>133298</b>	WD 3.5, 12V with hose	2	236.5	210	116	13 L/m - 3.5 GPM	15A	5 bar / 70 psi
<b>133337</b>	WD 3.5, 24V	2	236.5	210	116	13 L/m - 3.5 GPM	8A	5 bar / 70 psi
<b>133338</b>	WD 5.2, 12V	2	240	214	110	20 L/m - 5.2 GPM	20A	5 bar / 70 psi
<b>133339</b>	WD 5.2, 24V	2	240	214	110	20 L/m - 5.2 GPM	10A	5 bar / 70 psi

### Spare Parts:

- 131738** Strainer Aqua Jet Inlet  
**133470** Pressure Switch Aqua Jet Micro

N.B. \*Cut off pressure 2.1 bar/30 psi and 1.4 bar/20 psi available on request

\*\* NPT-connection available on request

## SPX Aqua Jet WD/Livewell Pump Kit - 5.2

A wash down kit including a high capacity Aqua Jet WD 5.2, 5 bar (70 psi) pump, a 500 GPH Twin Port livewell pump, pump protector inlet strainer, spray nozzle, bulk head fitting with valve, 7.5 metres (25') of coiled wash down hose and two illuminated panel switches all in one package. Aqua Jet wash down/livewell pump kit makes it easy to add a wash down and livewell pump to any boat.

**SPXFLOW**  
 > Johnson Pump



BLA Code
<b>133334</b>

### Spare Part:

- 131728** Panel Switch 12V  
**131738** Strainer Aqua Jet Inlet  
**133470** Pressure Switch Aqua Jet Micro

## SPX Aqua Jet Wash Down Pump Kit - 5.2

20 L/min (5.2 GPM) wash down kit conveniently includes a high capacity Aqua Jet WD 5.2, 5 bar (70 psi), pump protector inlet strainer, spray nozzle, bulk head fitting with valve, 7.5 metres (25') of coiled wash down hose and an illuminated panel switch – all in one package.

**SPXFLOW**  
 > Johnson Pump



BLA Code	Volts
<b>133330</b>	12
<b>133332</b>	24

### Spare Parts:

- 131738** Strainer Aqua Jet Inlet  
**133470** Pressure Switch Aqua Jet Micro



## Whale® High Pressure Washdown Kits

Supplied with Quick Connect inlet and outlet for fast connection directly to System 15 plumbing. Includes pre strainer/filter that pivots to suit plumbing direction. 2 x 13mm barbed hose connections and 2 x 1/2" BSP threaded tails also included for connection to non Quick Connect 15 plumbing.

### Features:

- Arguably the marine world's quietest range of pressure pumps
- A range of models for 2, 4 and 6 outlet or wash down application in 12 or 24 volts
- Capacity of 8, 12 and 18 litres per minute
- Universal mounting feet arrangement fits almost any existing pressure pump mount hole configuration
- Suitable for use with fresh or saltwater
- Smooth constant flow
- Can be run dry without damage
- Extra protection and safety with wires and pressure switch housed internally
- Self-priming up to three metres
- Aluminium motor housing
- Run indicator wire allows tell tale light and/or buzzer to operate remotely

### Pump Head Materials:

- Glass filled polypropylene, neoprene, nitrile, stainless steel, butyl



133201



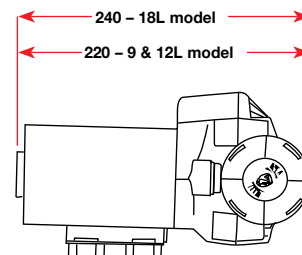
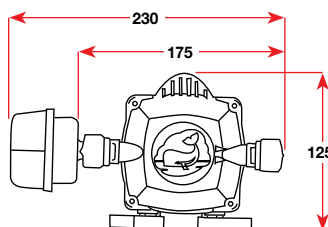
133290



BLA Code	Volt	Open Flow L/m	Max Head m	Lift m	Cut Out Pressure bar	psi
133290	12	18	30	3	3	45
133292	24	18	30	3	3	45

### Accessories:

- 133201 Deck wash nozzle complete  
 133150 Coiled deck wash hose  
 133151 Coiled wash down hose  
 133199 Deck wash hose gun



## Whale® High Pressure Washdown Kits

Choose from either 19 L/m, 70 psi pump or 13 L/m, 60 psi pump. Applicable models include an easy-to-use trigger handset for targeted water flow featuring a soft grip and non-slip trigger with deck protect nozzle. An easy stow, kink-resistant 7.6m coiled hose with stowage bag is included on certain models. The 133274 - 133276 kits include a unique 4 in 1 deck fitting, featuring a patented discrete integrated sliding lid which includes hose connection, switch and fuse in one fast installation solution.



PRODUCT AVAILABLE  
JULY 2017



Pump with Strainer &amp; Fittings



Pump including Gun



Pump including Gun and Hose

BLA Code	Description	Volts	Capacity L/m	Cut Put Pressure psi	Connections
133265	Pump with Strainer & Fittings	12	13	60	2x 3/4" barbed
133266	Pump with Strainer & Fittings	12	19	70	2x 3/4" barbed
133267	Pump with Strainer & Fittings	24	19	70	2x 3/4" barbed
133268	Pump including Gun	12	13	60	2x 3/4" barbed
133269	Pump including Gun	12	19	70	2x 3/4" barbed
133270	Pump including Gun	24	19	70	2x 3/4" barbed
133271	Pump including Gun and Hose	12	13	60	2x 3/4" barbed
133272	Pump including Gun and Hose	12	19	70	2x 3/4" barbed
133273	Pump including Gun and Hose	24	19	70	2x 3/4" barbed
133274	Pump including Deck Fitting & Switch	12	13	60	2x 3/4" barbed
133275	Pump including Deck Fitting & Switch	12	19	70	2x 3/4" barbed
133276	Pump including Deck Fitting & Switch	24	19	70	2x 3/4" barbed



Pump including Deck Fitting &amp; Switch



## Deck Wash Hose Gun

Multi-function hand spray includes rubber grip handle. Has 7 settings and stop valve to shut off water flow. Suits **133151** wash down hose.

BLA Code	Weight g
<b>133199</b>	140



## BLA Coiled Wash Down Hose - 7.6m

Blue polyurethane coiled hose ideal for wash down applications, supplied with standard click on garden hose connectors.

BLA Code	Length m
<b>133151</b>	7.6



## Deck Wash Nozzle

Trigger action compact deck wash hose nozzle. Adjustable spray jet and flow control. Available as a complete unit with quick connect fitting to suit 13mm (½") hose, or components can be purchased separately.

BLA Code
<b>133201</b>



### Standard Inclusions:

- 133200** Replacement nozzle
- 133202** Hose connector
- 133204** Nozzle adaptor to suit connector

## Coiled Deck Wash Hose

This coiled deck wash hose is the neat solution to deck clutter and elimination of kinked hoses. The 7.6 metre coiled hose stows neatly in its plastic pod and is supplied with a spray nozzle and fitting accessories for connection of water supply.



BLA Code	Depth mm	Width mm	Height mm
<b>133150</b>	115	475	255

## Whale® Orca 1300 Automatic Bilge Pumps

The Whale® Orca Auto 1300 automatic bilge pumps are designed to complement the intelligently controlled IC pump range. For ease of installation, wiring simplicity and security and to effect the removal of bilge water automatically and efficiently, Whale® has integrated a field sensor, innovative electronic control circuitry and powerful motor into one compact case. The large footprint ensures maximum surface area exposure to the bilge water and ensures lowest water level detection. The robust ABS housing contains the integrated microprocessor electronics which are sealed for protection against water ingress while the snap off motor housing enables easy cleaning of the acetal impellor and filter base.



### Features:

- High performance 1300 US GPH flow rate in either 12 or 24 volt models
- Fully protected integrated microprocessor electronics means no moving parts
- Built in automatic water sensor makes installation simple
- No separate bilge float switch required
- Low amp draw extends battery life
- Neat, compact shape with large foot print fits most areas
- ABS fuel resistant housing, nitrile seal, acetal impellor
- Large filter provides maximum surface area exposed to bilge water
- Unaffected by wave motion
- CE approved
- 1 year warranty



131419

BLA Code	Volt	Open Flow		Output @ 1m	Hose Size	Max Head	Max Amp	Fuse	Height	Width	Depth
		L/m	gph								
<b>131419</b>	12	82	1300	1100	25 & 28.5	4.5	5	7	129	168	121
<b>131423</b>	24	82	1300	1100	25 & 28.5	4.5	2.5	5	129	168	121



## Whale® Orca Electric Bilge Pumps

The Whale® Orca electric bilge pumps are compact and powerful high performance pumps most suitable for recreational vessels. The housing is manufactured of robust fuel-resistant ABS plastic which is easily removed from the large filter base for easy cleaning and maintenance. ISO 8849 marine standard 3 year warranty.



BLA Code	Open Flow gph	Outlet Dia. mm	Power v	amps	Height mm	Width mm	Depth mm
<b>131410</b>	500	19	12	1.5	83	102	78.5
<b>131414</b>	950	28.5	12	3.5	109	135	103
<b>131418</b>	1300	28.5	12	5	129	168	121
<b>131422</b>	1300	28.5	24	2.5	129	168	121



N.B. As with all submersible electrics, attention is needed during installation to ensure that wiring connections remain above water level. Specified output is US gph open flow.

**SPX Low Boy Bilge Pump****SPXFLOW**  
Johnson Pump®

Low profile pump design for ease of mounting and removal in tight bilge areas. Perfect for boats where bilge pumps are mounted beneath inboard or I/O engines. Removable cartridge style.

For L550 LB we have easy-to-install Dura-Port discharge ports to eliminate stress cracking caused by over-tightened hose clamps. The pumps are delivered including both a straight and a 90° smooth elbow Dura-Port.

**Specifications:**

- Capacity 1m head 700 gph
- Capacity straight 800 gph
- Fuse Size 5A
- Connection 3/4"



BLA Code	Power v amps	Max Length mm	Height mm
131840	12 3A	146	72

**Spare Part:**

131799 Replacement cartridge

**SPX First Mate Bilge Pump****SPXFLOW**  
Johnson Pump®

Designed as a low budget alternative for boat owners who nonetheless are looking for a quality product.

**Specifications:**

- Capacity 1m head 400 gph



BLA Code	Volts	Weight kg	Max ø	Max Height mm	Connection
131800	12	0.35	115	100	3/4" hose

**SPX Side Mount Bracket****SPXFLOW**  
Johnson Pump®

Gives opportunity to mount the pump on a wall. Suitable for Cartridge and Cartridge Duo.



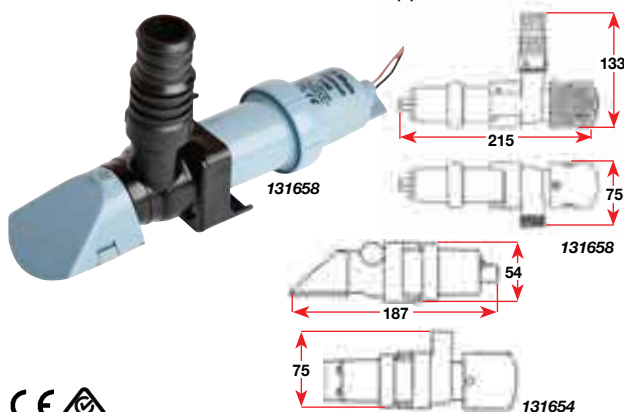
BLA Code
131825

**Whale® Supersub Electric Bilge Pumps**

The Whale® Supersub 500 and 1100 electric bilge pumps have a super slim, low profile design and feature an easy to clean integral strum box.

**Features:**

- Extremely low profile, only 54mm high
- Vertical or horizontal outlet position
- Vertical or horizontal mounting
- Removable strainer for easy cleaning
- Strainer design leaves minimum water level
- 131658/131660 features 25/28mm stepped hose connector



BLA Code	Open Flow L/m	Open Flow gph	Outlet Dia. mm	Power v	Power amps	Mount Screws gauge
131654	31.5	502	19	12	2.6	4 r/h
131658	66	1050	25/28	12	4.3	4 r/h
131660	66	1050	25/28	24	2.2	4 r/h

N.B. As with all submersible electrics, attention is needed during installation to ensure that wiring connections remain above water level. Specified output is US gph open flow.

**Whale® Supersub Smart Automatic Bilge Pumps**

The Whale® Supersub range of Smart automatic bilge pumps are a super slim, low profile design making them ideal for areas where space is at a premium. An integral electric field sensor automatically switches on and off with the detection of fluctuating bilge water levels. Designed for quick and easy installation, the multi-position pump head and outlet fits neatly into almost any area and position.

**Features:**

- Unaffected by wave motion
- Solid state switching with no moving parts
- Environmentally friendly and mercury free
- Integrated bleed ball prevents airlocks
- Electric field sensor technology
- Easy to clean built-in strum box, low maintenance design
- 131662/131664 includes built in non-return valve
- 131662/131664 features 25/28mm stepped hose connector
- CE certified and conforms to ISO8849 and ISO15083



BLA Code	Open Flow L/m	Open Flow gph	Outlet Dia. mm	Power v	Power amps	Mount Screws gauge
131656	40	650	19	12	3.4	4 r/h
131662	66	1050	25/28	12	4.3	4 r/h
131664	66	1050	25/28	24	2.2	4 r/h

N.B. As with all submersible electrics, attention is needed during installation to ensure that wiring connections remain above water level. Specified output is US gph open flow.

## SPX Cartridge Bilge Pumps - L450-L750 Series

Our cartridge pumps incorporate some of the most advanced features in the industry, features developed from service in a wide variety of uses including racing, cruising, sport fishing and demanding commercial duties.

For L450, L550, and L650, the design has been improved with easy-to-install Dura-Port discharge ports to eliminate stress cracking caused by over-tightened hose clamps. Where applicable the pumps are delivered including both a straight and a 90° smooth elbow Dura-Port as well as a removable check valve.

**SPXFLOW**  
Johnson Pump



131802

BLA Code	Model	Capacity 1m head		Capacity straight (13.6 V)		Power		Fuse Size	Max Height mm	Height mm	Connection
		L/m	gph	L/m	gph	v	amps				
131802	L450 - 600 gph	33	525	40	630	12	2.5	5A	1.3	149	3/4"
131804	L550 - 800 gph	44	700	50	800	12	3	5A	1.3	149	3/4"
131810	L650 - 1000 gph	50	800	63	1000	12	3.2	5A	2.7	177	3/4"
131812	L650 - 1000 gph	50	800	63	1000	24	2	3A	2.7	177	3/4"
131814	L750 - 1000 gph	60	952	73	1150	12	3	5A	2.45	216	1 1/8"
131816	L750 - 11500 gph	60	952	73	1150	24	2	3A	2.45	216	1 1/8"

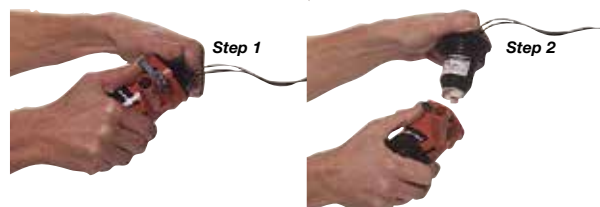
### Spare Part:

131799 Replacement cartridge t/s 131802, 131804, 131810 and 131814

## SPX Replacement Bilge Pump Cartridge

Replacement cartridge with capacity of 55L/m. Suits L450 (131802), L550 (131804), L650 (131810) and L750 (131814) bilge pumps.

**SPXFLOW**  
Johnson Pump



Changing the replacement cartridge

BLA Code

131799

## SPX Ultima Bilge Pump With Integrated Switch

Sleek, reliable and compact unit with integrated switch (Ultima Switch™) ready to install and run for years of unerring service. Available in 600-800-1000-1250 GPH versions. Voltage is 12V DC. All Ultima Bilge™ pumps have easy-to-install Dura-Port discharge ports to eliminate stress cracking caused by over-tightened hose clamps. Where applicable the pumps are supplied including both a straight and a 90° smooth elbow Dura-Port and a removable check valve.

**SPXFLOW**  
Johnson Pump



131834

BLA Code	Model	Capacity 1m head		Capacity straight (13.6 V)		Power		Fuse Size	Weight kg	Height mm	Width mm	Connection
		L/m	gph	L/m	gph	v	amps					
131830	600 gph	32	500	38	600	12	2.5	5A	0.66	105	82	3/4"
131832	800 gph	38	600	51	800	12	3	5A	0.66	105	82	3/4"
131834	1000 gph	44	700	64	1000	12	3.2	5A	0.66	105	82	3/4"
131836	1250 gph	51	800	79	1250	12	3	3A	0.66	117	82	1 1/8" and 1 1/4"

## SPX Heavy Duty Bilge Pump - L1600 Series

Designed to meet and exceed the tough demands of commercial and recreational duty. This pump has a liquid cooled, 12-pole motor with double ball bearings for extended service life. The L2200 motor is sealed off by a mechanical seal design, while the L1600 model has lipseal. The impeller is carefully designed and tested to maximise head and flow. The L4000 features a robust motor design, mechanical shaft seal, high impact ABS plastic and unique threaded port design. Universal base plate and a choice of 1 1/2" or 2" ports makes for a simple installation. Removable check valve included.

### Specifications:

- Shaft: 2343 grade stainless steel
- Wire length: 1.8 m
- Wire size: 1.3 mm<sup>2</sup> – 16 GA
- Max ø: 108

**SPXFLOW**  
Johnson Pump



131818

BLA Code	Model	Capacity 1m head		Capacity straight (13.6 V)		Power		Fuse Size	Max Length mm	Height mm	Connection
		L/m	gph	L/m	gph	v	amps				
131806	L1600	98	1550	100	1600	12	7	10A	1.3	149	1 1/8" and 1 1/4"
131808	L1600	98	1550	100	1600	24	3.5	6A	1.3	149	1 1/8" and 1 1/4"
131818	L2200	120	1900	130	2060	12	7.5	12A	2.7	177	1 1/8" and 1 1/4"
131820	L2200	120	1900	130	2060	24	4.5	6A	2.7	177	1 1/8" and 1 1/4"
131823	L4000	164	2600	252	4000	12	15	25A	2.45	216	1 1/2" and 2"
131824	L4000	164	2600	252	4000	24	7.5	15A	2.45	216	1 1/2" and 2"

## Whale® Premium Submersible Pumps



A compact, highly efficient centrifugal pump with high performance. Designed to be dropped into a water tank or container, this submersible pump has a built-in strainer to prevent suspended particles from entering the system. Suitable for freshwater, saltwater and diesel transfer. Constructed from ABS plastic, stainless steel and nitrile rubber. Suitable for use with  $\frac{3}{8}$ " or  $\frac{1}{2}$ " I.D. hose. For connection to system 15 use adaptor **136638**. One year warranty.



BLA Code	Cap Open Flow L/m	Power v	amp	Length mm	Overall Dia. mm
<b>133102</b>	13.2	12	3.6	117	36

N.B. Ensure that wiring connections remain above water level.

## Whale® High Flow Submersible Pump



High flow submersible centrifugal electric pump. This pump features a self bleed valve that allows any air trapped in the pump to escape for greater pumping efficiency. A built-in strainer incorporated in the base prevents suspended particles from entering the system. Suitable for freshwater, saltwater and diesel transfer. Constructed from ABS plastic, stainless steel and nitrile rubber. For connection to system 15 use adaptor **136638**. 12 volt, 3.8 amp with 15.8 L/m capacity at open flow. One year warranty.



BLA Code	Hose Size mm	in	Length mm	Overall Dia. mm
<b>133104</b>	10 & 13	$\frac{3}{8}$ & $\frac{1}{2}$	160	39

N.B. Ensure that wiring connections remain above water level.

## TMC Submersible And In Line Pumps



Handy small diameter pumps for marine and RV, designed for use in confined spaces. Each pump is water tested for delivery head, volume and AMP draw before leaving the factory.



131698

131697



BLA Code	Open Flow Output L / hour	Outlet Dia. mm	Power v	amp	Max. Head m	Height mm	Base Dia. mm
<b>131697</b>	1060	13	12	3	7	139	42
<b>131698</b>	606	9 & 11	12	2.5	4.5	110	54

N.B. As with all submersible electrics, attention is needed during installation to ensure that wiring connections remain above water level.

## Whale® In-line Electric Pumps



Designed for confined spaces, these pumps can be fitted below a water tank and gravity-primed, or above the water tank with a manual priming pump. Can be fitted in-line with a submersible pump to boost the performance when higher pressure for a shower/water heater is needed. Constructed from ABS plastic, stainless steel and nitrile rubber. Suitable for diesel, fresh water or saltwater. For connection to system 15 adaptor use **136638**. One year warranty.



BLA Code	Capacity Open Flow L/m	Power v	amp	Hose Size mm	in	Length mm	Overall Dia. mm
<b>133106</b>	13.2	12	3.6	10 & 13	$\frac{3}{8}$ & $\frac{1}{2}$	144	36
<b>133108</b>	15.75	12	3.8	10 & 13	$\frac{3}{8}$ & $\frac{1}{2}$	144	36



## TMC Auto-Eye Fully Automatic Bilge Pumps

All in one fully automatic bilge pumps with built-in compact efficient long life motor, stainless steel shaft, high impact durable plastic housing with quick release strainer for easy cleaning and the added security of a built in electronic controlled reed sensor system.

### Features:

- Auto eye sensor
- No separate float switch
- No power use until pump switches on
- 2 year limited warranty



BLA Code	Open Output Flow		Power		Max Head mm	Base mm	Height mm
	lph	gph	v	amps			
131620	1890	500	12	1.6	2.5	136	110
131622	3786	1000	12	4.5	4	165	130
131624	3786	1000	24	2.5	4	165	130
131626	5676	1500	12	9	4	191	150
131628	5676	1500	24	4.5	4	191	150



N.B. As with all submersible electrics, attention is needed during installation to ensure that wiring connections remain above water level.

## TMC Heavy Duty Electric Submersible Bilge Pumps

The highest quality submersible bilge pumps available from TMC. Aluminium motor enclosure base dissipates motor heat while the electrodeposition coating resists corrosion.

### Features:

- Permanent magnet motor
- Snap-on mount base strainer
- Two year limited warranty
- Every pump is water tested to ensure delivery head, voltage and amp draw are within specifications



BLA Code	Open Flow		Outlet Dia. mm	Power		Max Head m	Base Dia. mm	Height mm
	L/m	gph		v	amp			
131600	31.5	500	19	12	3.5	4.6	88	140
131602	63	1000	28	12	5.5	4.6	88	140
131603	94.5	1500	28	12	8	3.3	120	170
131604	126	2000	28	12	12	3.9	120	170
131606	158	2500	32	12	18	4.5	132	197
131608	190	3000	32	12	18	4.5	132	197
131613	94.5	1500	28	24	4	3.3	120	170
131614	126	2000	28	24	5	3.9	120	170
131616	158	2500	32	24	7.5	4.5	132	197
131618	190	3000	32	24	9	4.5	132	197



### Spare Parts:

- 131540 Repair kit to suit 500 and 1000 models
- 131542 Repair kit to suit 1500 and 2000 models
- 131544 Repair kit to suit 2500 and 3000 models

N.B. As with all submersible electrics, attention is needed during installation to ensure that wiring connections remain above water level. Specified output is US gph open flow.

## TMC Compact Bilge Pumps

An economical submersible electric bilge pump available in 450 or 900gph. Compact low profile design for confined bilge areas. Snap-on mount base strainer. Every pump is water tested to ensure delivery head volume and amp draw are within design specification before leaving the factory. 12 months limited warranty.



BLA Code	Open Flow		Outlet Dia. mm	Power		Max. Head m	Base Dia. mm	Height mm
	L/m	gph		v	amps			
131590	28.3	450	19	12	1.5	2	75	84
131592	56.6	900	25	12	3.5	3.5	98	107

N.B. As with all submersible electrics, attention is needed during installation to ensure that wiring connections remain above water level. Specified output is US gph open flow.



## SPX Automatic Switch - AS888

**SPXFLOW**  
Johnson Pump®

For full automatic bilge pumping operation, connect the automatic switch to your bilge pump. The AS888 automatic switch has a time-proven micro switch without mercury. When water exceeds the acceptable level, the pump is turned on by a rolling steel ball, which changes the pressure on the micro switch. The AS888 attaches to any of SPX's Johnson Pump marine brand bilge pumps through the clip on "T-slot" and can be used with 12V and 24V systems.



BLA Code	Amps
<b>131686</b>	15A

## Sure Bail Float Switches

Super reliable float switch with cover, converts electric bilge pumps to automatic operation. High impact resistant polypropylene case protects the float mechanism from physical damage and fouling. Polyurethane foam filled float. Closed tube mercury switch. Pump cuts in at water depth of 45mm, cut out is at 20mm of water depth. **131693** is supplied unpackaged.



BLA Code	Power Rating v amp	Length mm	Width mm	Height mm	Mount Screws mm
<b>131692</b>	6-32 15	140	65	75	4 r/h
<b>131693</b>	6-32 15	140	65	75	4 r/h

*N.B. As with all submersible electrics, attention is needed during installation to ensure that wiring connections remain above water level.*

## Attwood Float Switch with Cover

**attwood®**

Converts bilge pumps into fully automatic pumping systems. Protected float switch with running ball actuated switch (not a mercury switch) assures the reliability of these quality units. The float switch will actuate when the water level exceeds 50mm above the set point. Switch can be mounted onto the bottom of boats with deadrise of up to 24°, so virtually any bottom position will be suitable. There is a test knob for convenient testing of pump operation. Electrical wires do not move and subsequently deteriorate as the float moves, providing further reliability.



BLA Code	Power Rating	Height mm	Width mm	Depth mm	Mount Screws mm
<b>131696</b>	12V-12A, 24V-6A	72	98	135	4 r/h

*N.B. As with all submersible electrics, attention is needed during installation to ensure that wiring connections remain above water level.*

## Whale® Float Switch

**Whale®**

Easily converts electric bilge pump to automatic operation by sensing rising water level. Can be used on any low voltage electric pump (6-32V) with a load current up to 15 amps. Can be installed horizontally or vertically. Environmentally friendly – no toxic mercury. Can be used as a high water alarm when mounted vertically.



BLA Code	Power Rating v amp	Length mm	Width mm	Height mm	Mount Screws mm
<b>131688</b>	6-32 15	110	59	106	4 r/h

*N.B. As with all submersible electrics, attention is needed during installation to ensure that wiring connections remain above water level.*

## TMC Float Switch

**TMC**

Economical, spark-proof, plastic float switch. Running ball contact type with on/off switch, activated with rising water level. When water level lowers, the switch automatically turns the bilge pump off.



BLA Code	Power Rating v amp	Length mm	Width mm	Height mm	Mount Screws mm
<b>131694</b>	12-24 15	116	72	82	5 r/h

## Whale® Automatic Bilge Field Switch

**Whale®**

The electric field sensor senses the water level in bilges or grey waste tanks and automatically controls the operation of a 12 or 24 volt bilge pump. The switch automatically turns the pump on when it senses a water level of 51mm and turns off when the water level returns to below 13mm. Designed for pleasure boat applications and not suitable for flammable liquids, diesel and chemicals.



BLA Code	Power Rating v amp	Length mm	Width mm	Height mm	Mount Screws mm
<b>131691</b>	12-24 20	92	62	20	4 r/h

## SPX Ultima Float Switch

**SPXFLOW**  
Johnson Pump®

Uses the patented Mirus field effect detector cells producing micro-electrical fields that detect disruptions caused by water and fluids. Detector cells are totally sealed and are never in contact with the water, will not corrode and are not affected by oil or foreign debris. No moving parts, totally sealed solid state electronics and field detectors, no mercury and no exposed sensors eliminate corrosion possibilities and makes the Ultima switch environmentally sensitive. Ultima activates at a 50mm (2") fluid level and deactivates at a 20mm (¾") fluid level. A 3 second delay prevents false starts. Ultima switch is rated to handle pumps up to 20 amps at 12 or 24 volts.



BLA Code
131684

## SPX Electronic Float Switch

**SPXFLOW**  
Johnson Pump®

Compact mechanical switch offers a combination of reliable solid state electronics and a sealed float switch. False start prevention, no mercury, high impact plastic and encapsulated electronics adds up to dependability. Activates pump at 50mm (2") water level, deactivates pump at 20mm (¾") water level. 12V and 24V unit available.



BLA Code	Volts	Amps
131680	12	15A
131682	24	8A

## Whale® Strum Box

**Whale®**

An essential fitting for any manual bilge pump pick up hose to prevent debris entering and blocking the hose or jamming the pump. Multi-directional port options facilitate optimal pick up position by utilising either top or side entry. Built-in non-return valve prevents backflow into the bilge and aids pump prime.

### Features:

- Ideal for use with remote mounting pumps (e.g. Gulper 320)
- Easy installation – multi-directional port options for either top or side entry
- Non-return valve prevents back flow into the bilge
- Designed to fit deep down in the bilge
- Compact design fits into tight spaces
- Easy cleaning and maintenance



BLA Code	Hose Size mm	Length mm	Width mm	Height mm	Mount Screws mm
131120	19/38	150	60	60	4 r/h

## SPX Bilge Pump Control

**SPXFLOW**  
Johnson Pump®

Switch panel that gives full control of your equipment. Just push the button for manual or automatic bilge pumping. The automatic feature operates in combination with the automatic bilge switches or the electronic float switch. The three-position switch panel in matte black finish has an integrated fuse holder and operating light. Fuses included.



BLA Code	Volts	Length mm	Width mm	Height mm
131690	12	73	40	60

## SPX Bilge Alert

**SPXFLOW**  
Johnson Pump®

High water alarm featuring digital technology using the patented Mirus field effect cell. Totally sealed fluid detectors are never in contact with water, will not corrode and are not affected by oil or debris. Bilge Alert detects water and sends a signal (3 seconds delay) to the alarm and switch conveniently mounted on a panel. Three way rocker switch allows alarm to be tested, turned off and armed.



BLA Code	Volts
131678	12
131674	24

131678

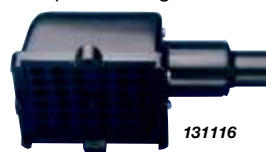
## Whale® Strum Boxes

**Whale®**

Fitted at the end of a manual bilge pump suction hose deep in the bilge, a Whale® strum box prevents debris from entering and blocking the hose or bilge pump. Available in top entry for deeper bilges or side entry for shallow bilges. They are suitable for 25mm hose and can be cut to accept 38mm hose.

### Features:

- Allows maximum amount of water to be pumped from the bilge
- Fitted non-return valve prevents drain back
- Removable strainer for ease of cleaning
- Pump out of bilge water as shallow as 5mm



131116



131118

BLA Code	Entry	Length mm	Width mm	Height mm	Mount Screws mm
131116	Side	170	120	58	5 r/h
131118	Top	147	56	104	5 r/h

## SPX Livewell Timer

**SPXFLOW**  
Johnson Pump®

Livewell timer will turn on or cycle your aerator to increase the life of the pump motor. On cycle pumps for 30 seconds, off cycle is variable from 0-5 minutes.



BLA Code
131724



## SPX Pro Series 1600 GPH Livewell/Baitwell

**SPXFLOW**  
Johnson Pump®

Features heavy duty bronze bottom inlet, 1600 GPH of pumping power, dual port capability, mega torque motor, double ball bearings, quiet running design, 1" NPT female intake. Built for the serious fisherman!



BLA Code	Volts	Amps	Fuse Size	Connection	Capacity Straight (13.6V)	Capacity 0.9m head (13.6V)
131866	12	7A	10A	1 1/8" and 1 1/4"	1600GPH	1550GPH

## SPX Twin Port Pumps

**SPXFLOW**  
Johnson Pump®

Offer the convenience of using only one intake for both the livewell and raw water wash down pump. The 3/4" tapered inlet connects directly to the sea cock and the upper outlet port provides a continuous flow of water through the 3/4" discharge to the livewell while the lower outlet port connects to the wash down pump through either a 1/2" or 3/4" ports. New high pressure inlet seal easily handles the higher pressures created by high speed pickups commonly used.



BLA Code	Description
131872	500 GPH
131874	750 GPH
131873	1000 GPH
131875	1200 GPH

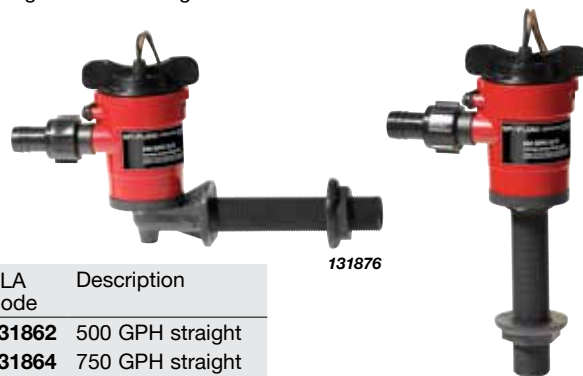
### Spare Part:

131799 Replacement cartridge t/s 131872 and 131874

## SPX Cartridge Aerator Pump

**SPXFLOW**  
Johnson Pump®

Livewell pumps in 500 GPH and 750 GPH capacities with two different intake configurations of straight and 90°. Smaller profiles to fit in more confined spaces. Easy to change motor cartridge.



BLA Code	Description
131862	500 GPH straight
131864	750 GPH straight
131876	500 GPH 90°
131878	750 GPH 90°

### Spare Part:

131799 Replacement cartridge pump L550 55L/m

## SPX Ice Chest Aerator Kit

**SPXFLOW**  
Johnson Pump®

Converts any good sized Eskey into your own portable live bait tank. The Ice Chest Aerator will keep your live bait alive, or catch fresh, even during the heat of the day. Includes a sturdy Bilge Mate pump, hose, spray bar, press on clamp, battery clamps and clear-cut instructions. Since there are no holes to drill the chest can always be returned to its original purpose.



BLA Code
131870

### Spare Parts:

131725 Eskey Aerator Head

## SPX In-Well Aerator Kit

**SPXFLOW**  
Johnson Pump®

The easiest way to add oxygen to your live bait well. Use it as your primary aerator, or to recirculate while you are making a long run across the bay, or if you are towing the boat, you can stop for fuel and be aerating your catch while the boat is on the trailer. A dependable 500 GPH forces water through the aerating head to provide vital oxygen for respiration ensuring your bait stays fresh longer. To empty the well at the end of the day, merely open the valve, activate the pump and water passes through a discharge fitting.



BLA Code
131860



## TMC Multi-Purpose Aerator Kit



Aerator system supplied complete with 28 L/m (450 US gph) submersible pump, 3 metres of electrical wire fitted with alligator clips, 1.5 metres of 19mm spiral hose, two suction cup spray rail mounting brackets, one 310mm long spray rail and one 130mm long spray rail. Recirculates water in live-wells via spray rail to maintain oxygen level. Every pump is water tested to ensure volume and amp draw are within specification.



BLA  
Code

131712



*N.B. As with all submersible electrics, attention is needed during installation to ensure that wiring connections remain above water level.*

## TMC Bait Bubbler



Self contained, portable aeration system. Operates from two 'D' cell batteries (not included) for approximately ten hours. Supplied complete with 800mm of tubing, weighted glass bead air stone and adjustable stainless steel mounting bracket. Ideal for beach anglers to keep bait live for hours in a bucket.



BLA  
Code

131718

Height	Width	Depth
mm	mm	mm
160	105	55



## Aerator Head

For use with aerator pumps in live-wells with built-in overflows. Black U.V. stabilised injection moulded plastic. Simple flow adjustment incorporated in the head.



BLA Code	Max. Wall Thickness mm	Width mm	Height mm	Mount Screws mm
131722	8	135	19	27

## BLA Stainless Steel Thru Hull Water Pick-Up



Designed to suit a variety of outlet aerator system combinations.

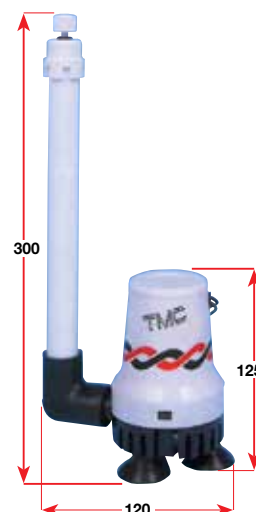


BLA Code	Thread BSP	O/all Length mm	Flange O.D. mm
131964	3/4"	70	40

## TMC Anglers Aerator



Portable single piece live bait aerator to suit almost any application. Supplied with 1.2 metres of electrical wire fitted with alligator clips. 12 volt, 16 L/m (250 US gph) submersible pump fitted with three suction cup mounts and riser spray tube with adjustable flow control. Every pump is water tested to ensure volume and amp draw are within specification.



BLA  
Code

131714

*N.B. As with all submersible electrics, attention is needed during installation to ensure that wiring connections remain above water level.*

## Livewell Aerator Control

This unit features a solid state timer with adjustable cyclic run times. Run time is approximately 1.5 minutes, off time is variable from 1-10 minutes. Three way toggle switch-off/ manual/auto. Suitable for all livewell pumps to 10 amps. Black moulded plastic face with white raised lettering.

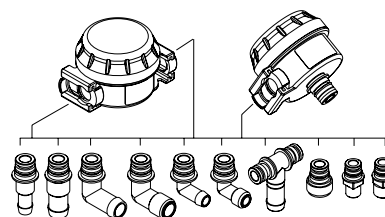


BLA Code	Face Size mm	Cut Out mm	Intrusion mm	Mount Screws mm
131726	85 x 85	60 x 52	55	4 c/s

## SPX Klicktite™ Port Connectors

**SPXFLOW**  
Johnson Pump

KlickTite™ port connectors are available for virtually any hose diameter and make it possible to remove the entire unit for thorough cleaning wherever it's most convenient. They also make it possible to drain the system quickly without the use of any tools.



BLA Code	Description	Quantity
131850	T-connection, 3/4" barb	1
131852	T-connection, 3/4" barb	2
131854	90°, 3/4" hose	1

## Marine Town® Live-well/Bait Tank Pick Up



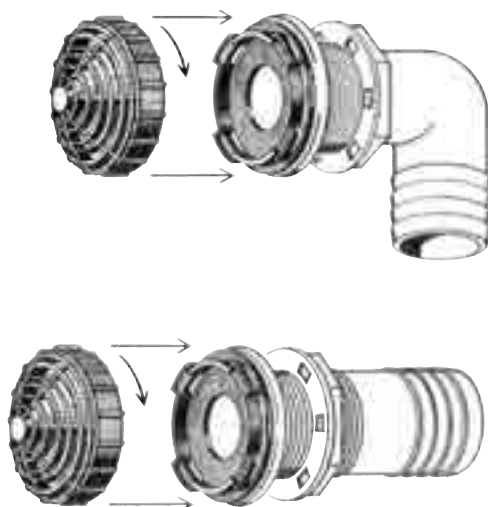
Installed through the transom for connection to self priming live-well pumps. The cast 316 stainless steel head fitting is installed above waterline and can be fitted with a 3/4" ball valve for added security. The 16mm stainless steel pick up tube fits into the head assembly via a rubber cup gasket allowing easy removal for clearing of debris. The pick up tube can be cut to length if required and is supplied standard with an angled tip to provide water flow when under way, without pump. The lower mount saddle has a rubber insert that allows connection at any height and also secures the pickup tube into the head assembly.



BLA Code	Thru Hull BSP	Max. Hull Thickness mm	Pick Up Tube mm	Mount Screws mm
131966	3/4"	90	16 x 300	4 c/s

## Overflow Fittings with Filters

Designed principally for livewells and bait tanks, these straight or 90° elbow filtered drains allow maximum overflow, yet retain the bait or fish. Twist off cap for easy removal and cleaning.



BLA Code	Description	Hose mm	Flange mm	Cut Out mm	Intrusion mm
131972	Straight outlet	38	74	48	84
131974	90° elbow outlet	38	74	48	98

## Attwood Aerator Rail



Combination adjustable flow control ball valve and spray rail in one. Non-corrosive black thermo plastic construction makes it suitable for salt and freshwater. Overhead or side mounting.



BLA Code	Hose Size mm	Length mm	Height mm	Depth mm	Mount Screws mm
131730	19	265	42	42	5 r/h

## SPX Aerating Heads



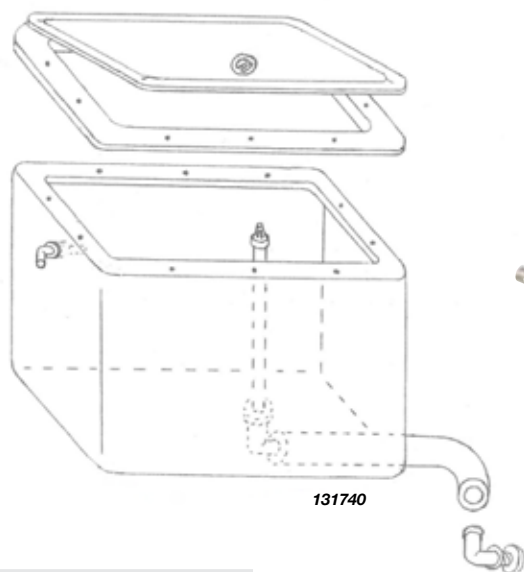
Spray head assemblies can be custom made to required fit, size and flow capacity. A variety of shapes, configuration and options allow us to build these aerating heads to your specifications. Prototyping kits available.



BLA Code	Description	Length mm	Thru Hull in
131721	Short 18cm	171	6 3/4
131723	Long 25cm	247	9 3/4

## SPX Live Bait Tank

Johnson offers a complete "packaged" live bait tank kit with hatch, spray bar, overflow plumbing, hose and skin fittings or choose the components separately. The pump design varies from through transom, skin fitting or submersible and the flow rate varies from 450 gph to a market leading 4,000 gph.



BLA Code	Description
<b>131740</b>	Live Bait Tank Kit 30 L

### Standard Inclusions:

**131744** Live Bait O/Flow Plumbing Kit

**131741** Live Bait Tank Hatch

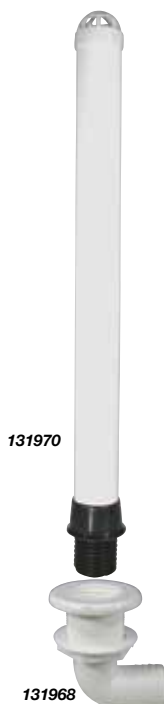
**131742** Live Bait Tank

### Accessories:

**131724** Live Well Aerator Timer

## Livewell Overflow Drain

90° injection moulded drain fitting installs in base of live tank, for connection to through hull, with minimal space requirement under live tank. The plastic and PVC overflow tube is fitted into drain fitting to keep livewell water depth at desired level. Grate at top of overflow tube prevents catch or live bait from blocking overflow tube. To empty live tank remove the overflow tube. Over flow tube is 450mm long but can be cut down as required. Tube and drain purchased separately.



BLA Code	Outlet	Hose Size mm	Flange Overall Dia. mm	Cut Out Dia. mm	Intrusion mm
<b>131968</b>	90°	38	74	48	100

### Accessories:

**131970** Overflow tube

## Sant Marine Live Bait Tank



Ready to install, moulded polyethylene live bait tank. Supplied complete with transom mount water pick-up and 12 volt submersible pump. Incorporates storage recess hinged lid. 20mm overflow outlet with filter and 20mm inlet that connects via hose (not included) to the pump.



BLA Code	Length mm	Width mm	Height mm
<b>395202</b>	585	340	335

### Accessories:

**193666** Replacement hinges

*N.B. Pump is not self priming, requiring gravity feed.*

## Henderson Single Action Manual Pump - Mk5

The free flow valve design makes the Mk5 ideal for a variety of pumping applications such as bilge, diesel transfer, emptying effluent tanks and vacuum toilet pump out. Suitable for both floor and bulkhead installations and can also be converted to through deck installation. The quick release cover makes for easy access and inspection of the diaphragm and valves, as well as clearing obstructions. Constructed from stainless steel, phosphor bronze, acetal, glass reinforced polypropylene and nitrile rubber.



BLA Code	Capacity		Max Lift	Max Head	Hose Size	Mount Screws
	L/m	g/m	m	m	mm	mm
131016	56	12.3	4.5	4.5	38	6r/h

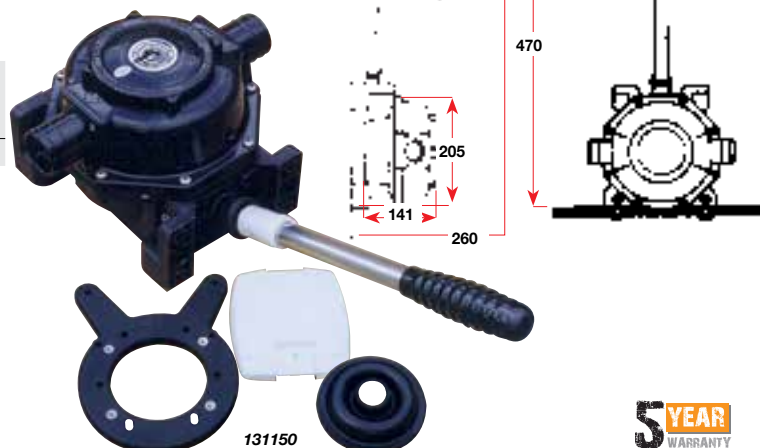
### Accessories:

131150 Through deck conversion kit

### Spare Parts:

131240 Service kit – nitrile  
 131242 Spare removable handle  
 131243 Rocker arm assembly – through deck  
 131244 Rocker arm assembly kit – bulkhead mount  
 131246 Diaphragm plate and pivot  
 131249 Diaphragm only – nitrile

N.B. Capacity measured at 60 strokes per minute.



## Henderson Double Action Manual Pump - Mk5

The Mk5 double action pump consists of two Mk5 pumps mounted back to back and operated by the one handle. It may be fitted either to the floor/deck, or through the deck with purchase of optional through deck conversion kit. Twin diaphragms allow the Mk5 double action pump to empty two separate bilge compartments at the same time, or one twice as quickly using the two manifolds supplied. Even if one bilge runs dry, pumping of the other can continue unimpaired. Suitable for saltwater, bilge water, waste water, effluent and diesel. Made from aluminium alloy, stainless steel, phosphor bronze, acetal copolymer, polypropylene, nitrile rubber and neoprene rubber.



BLA Code	Capacity		Max Lift	Max Head	Hose Size	Mount Screws
	L/m	g/m	m	m	mm	mm
131022	104	23	4.5	4.5	38	8r/h

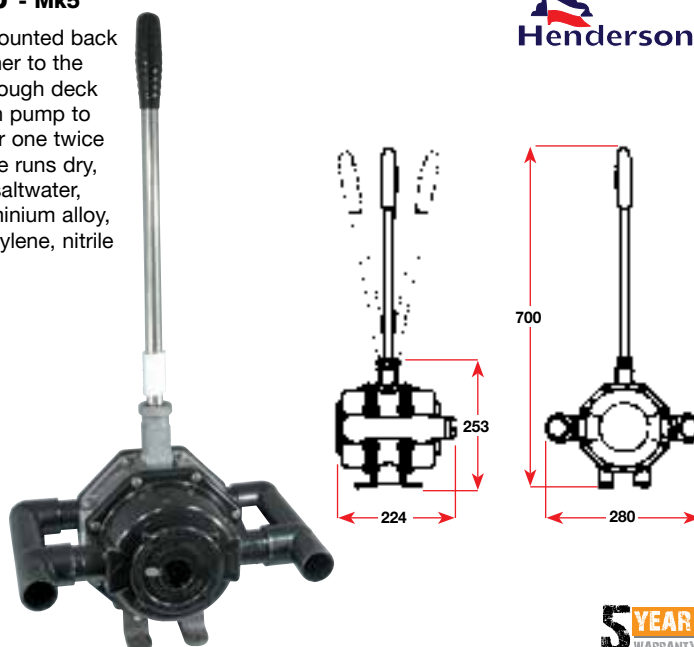
### Accessories:

131150 Through deck conversion kit

### Spare Parts:

131250 Service kit – nitrile  
 131256 Clamp plate kit

N.B. Capacity measured at 60 strokes per minute.



## Whale® Toilet Waste Pump

Principally used as a manual toilet waste pump. The free flow valve design and quick release inspection cover makes this pump ideal for a variety of applications such as bilge, diesel transfer, emptying effluent tanks and vacuum toilet pump out. White ABS plastic housing keeps in nasty smells. Constructed from stainless steel, phosphor bronze, acetal, glass reinforced polypropylene, glass reinforced nylon and nitrile rubber.



BLA Code	Capacity		Max Lift	Max Head	Hose Size	Mount Screws
	L/m	g/m	m	m	mm	mm
131019	56	12.3	4.5	4.5	38	6r/h

### Spare Parts:

131240 Service kit – nitrile  
 131242 Spare removable handle  
 131244 Rocker arm assembly kit – bulkhead mount  
 131246 Diaphragm plate and pivot  
 131249 Diaphragm only – nitrile

N.B. Capacity measured at 60 strokes per minute.



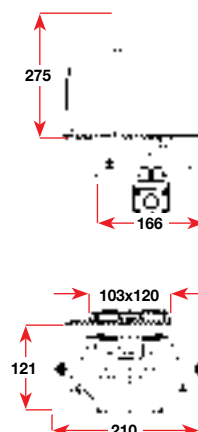


## Henderson Manual Pump - Compac 50

Designed specifically for low profile installations where space is limited. Quick and easy to fit and offers a wide variety of possible installation configurations. Suitable for saltwater, bilge water and even diesel. Constructed from stainless steel, glass reinforced polypropylene, acetal copolymer, nylon, PBDT, nitrile and EPDM rubber.

### Features:

- Mounting hole positions are square – giving a choice of pump stroke directions relative to the position of the deckplate
- Inlet and outlet mount bases are set at 45° relative to the pump body and have a square base that can be rotated, giving four possible hose directions on each side
- Pump body can be rotated to accommodate different hose direction requirements
- Supplied complete with deck plate



BLA Code	Capacity		Max Lift m	Max Head m	Hose Size mm	Mount Screws mm
	L/m	g/m				
131012	43	9.5	3	4	25	6 c/s

### Spare Parts:

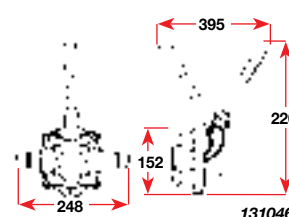
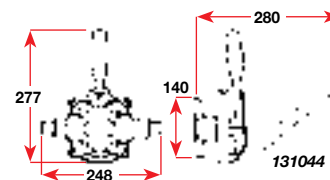
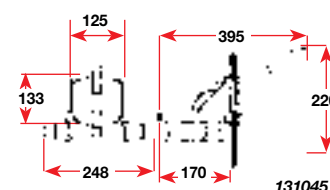
- 131230 Service kit - nitrile  
131231 Deck plate kit  
131232 Spare removable handle  
131236 Ring clamping kit

N.B. Capacity measured at 60 strokes per minute.



## Whale® Manual Bilge Pumps - Gusher Urchin

Manual bilge pumps for small to medium sized craft. These sturdy pumps are self-priming. Handles can be orientated in any direction and the diaphragm can be easily accessed for maintenance or removing debris. Stepped hose attachments allow either 25mm or 38mm hose connection. Suitable for saltwater, bilge water, waste water and effluent. Made from acetal copolymer, glass filled polypropylene, nylon, stainless steel and neoprene. Nitrile rubber service kit available for use with oils and diesel.



BLA Code	Handle	Capacity		Max Lift m	Max Head m	Hose Size mm	Mount Screws mm
		L/m	g/m				
131044	Fixed	47	10	4	3	25/38	6 r/h
131045	Through deck	47	10	4	3	25/38	6 c/s
131046	Removable	47	10	4	3	25/38	6 r/h

### Spare Parts:

- 131300 Service kit – nitrile  
131301 Service kit – neoprene  
131302 Spare removable handle  
131304 Fixed handle kit  
131306 Removable handle kit  
131308 Clamp ring kit above deck  
131320 Diaphragm neoprene

N.B. Capacity measured at 60 strokes per minute with 38mm hose.



## Whale® Manual Bilge Pump - Gusher 30

The Gusher 30 is the largest capacity manual pump in the Whale® range. Made from anodised and epoxy coated marine grade LM6 aluminium alloy. Floor/deck or through deck mounted with purchase of optional through deck conversion kit.

### Features:

- Neoprene valves and diaphragms
- Twin diaphragms (retains suction even if one diaphragm is damaged)
- Easy access for cleaning and servicing via large nylon hand nuts (no tools required)
- Free flow, non-choke valves
- Stainless steel fastenings
- Acetal copolymer bushes
- Suitable for survey vessels

BLA Code	Capacity		Max Lift m	Max Head m	Hose Size mm	Mount Screws mm
	L/m	g/m				
131030	100	22	4	4	38	8 r/h

### Accessories:

131154 Through deck conversion kit

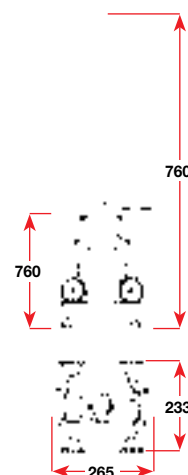
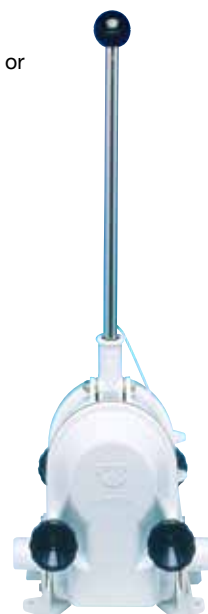
### Spare Parts:

131260 Service kit – neoprene

131262 Spare removable handle

131264 Gaiter kit

N.B. Capacity measured at 60 strokes per minute.



5 YEAR WARRANTY

## Whale® Manual Bilge Pump - Gusher 10 Mk3

A bilge pump with a world wide reputation for reliability. The large valves ensure smooth flow and reduce the likelihood of blockage by any stray debris in the bilge water. Used extensively for manual pump-out of effluent holding systems. Variable mounting positions enable the pump to be installed either on bulkhead, floor or through deck with the purchase of optional through deck kit. The design gives instant access to all parts for maintenance. Made from epoxy resin coated alloy, stainless steel, and neoprene rubber. Suitable for use with oils and diesel transfer if fitted with nitrile service kit.

BLA Code	Capacity		Max Lift m	Max Head m	Hose Size mm	Mount Screws mm
	L/m	g/m				
131034	100	22	4	4	38	8 r/h

### Accessories:

131156 Through deck conversion kit – alloy

131158 Through deck conversion kit – plastic

### Spare Parts:

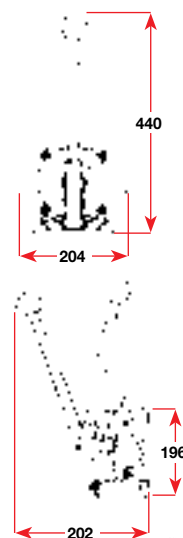
131280 Service kit – nitrile

131281 Service kit – neoprene

131282 Spare removable handle

131284 Eye bolt assembly

N.B. Capacity measured at 60 strokes per minute.



5 YEAR WARRANTY

## Whale® Manual Bilge Pumps - Gusher Titan

The Titan is a very powerful, compact bilge pump available in a choice of bulkhead or through deck mount. Its large, single pump chamber and generous valve ports have been designed to give a smooth, high volume flow rate. The diaphragm and handle assembly can be rotated for variable pumping positions. Suitable for saltwater, bilge water, waste water and effluent. Nitrile service kit available for use with oils and diesel.

Made from moulded acetal copolymer, glass filled polypropylene, nylon, stainless steel, chromed phosphor bronze, nitrile and neoprene rubber.

BLA Code	Mount	Capacity		Max Lift m	Max Head m	Hose Size mm	Mount Screws mm
		L/m	g/m				
131038	Bulkhead	89	19.5	4	4	38	6 r/h
131039	Through deck/bulkhead	89	19.5	4	4	38	6 c/s

### Spare Parts:

131282 Spare removable handle

131290 Service kit – neoprene

131292 Clamp plate kit

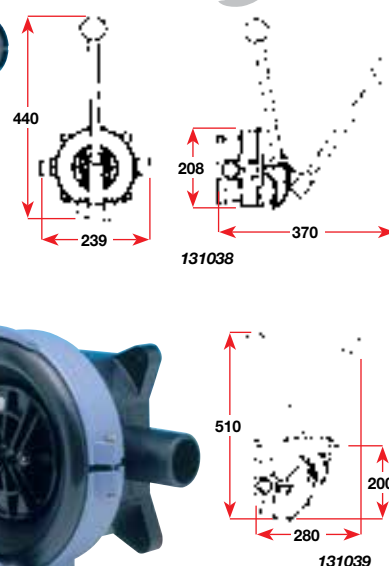
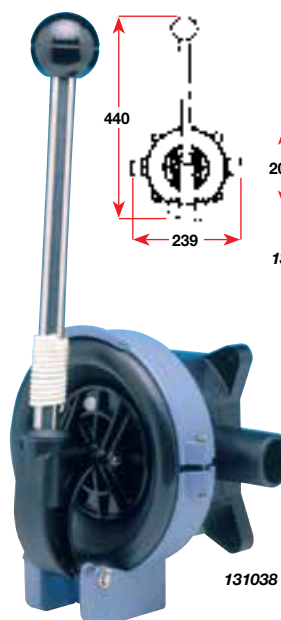
131296 Bulkhead clamp ring kit

131283 Under deck lever kit

131291 Service kit – nitrile

131298 Under deck clamp ring kit

N.B. Capacity measured at 60 strokes per minute.



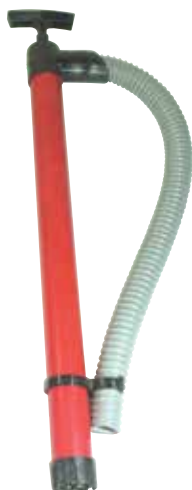
131038

131039



## Portable Hand Bilge Pump

A versatile hand held bilge pump for dinghys, small boats or as a backup pump. Rigid plastic and PVC, corrosion free construction.



BLA Code	Barrel Length mm	Outlet Hose mm
131060	600	32 x 600

## Whale® Piping Connectors



The Whale® 90° elbows are useful in many bilge pump installations, especially in confined spaces. One end clamps externally over a Whale®/Henderson manual bilge pump inlet or outlet while the other end fits internally into the bilge hose that would normally be connected to the bilge pump to create a 90° plumbing bend at the hose to pump connection.



131104

BLA Code	Hose Size mm	Max Length mm	Max Width mm
131102	25	45	54
131104	38	60	75

## Superseded Whale®/Henderson Pump Spares



BLA Code	Description	Whale®/Henderson Number
131188	Chimp Mk 1 & 2 diaphragm stud	405.03
131189	Chimp Mk 1 & 2 diaphragm plate	405.04
131190	Chimp Mk 1 & 2 diaphragm nut	405.05
131197	Chimp Mk 1 & 2 fulcrum pin	406.45
131198	Chimp Mk 1 & 2 hinge pin	406.46
131199	Chimp Mk 1, 2 & Urchin circlip	733.40
131220	Chimp Mk 2 neoprene service kit	AK8015
131222	Chimp Mk 2 nitrile service kit	AK8017
131227	Chimp Mk 2 neoprene diaphragm	406.37
131228	Chimp Mk 2 inlet valve	733.08
131229	Chimp Mk 2 outlet valve	733.09
131270	Gusher 25 nitrile service kit	AK3528
131324	Gusher 8 Mk 3 neoprene service kit	SK8813

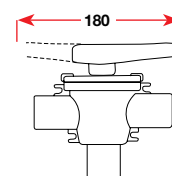
## Whale® Diverter Valves



High quality two-way valves, normally installed in the suction or discharge line of bilge pumps, they also have many other uses including toilet waste diversion. They are precision machined to eliminate seepage and odour problems.

### Features:

- Allows one pump to draw from two locations
- Teflon lubricated smooth lever operation



BLA Code	Hose Size mm	Width mm	Height mm	Depth mm	Mount Screws mm
131124	25	139	146	103	5 r/h
131126	38	159	153	103	5 r/h

**5 YEAR**  
WARRANTY

## 'Y' Valve

Provides controlled diversion of 2 x 38mm lines into one or vice versa. Typical uses include connection of one bilge pump to two separate bilge areas or installation in a toilet system to control discharge to holding tank, or deck waste pump out, or discharge overboard (if permitted). Manufactured from ABS plastic to retain odours. Stainless steel fastenings used throughout. Locking tab enables the valve to be locked in one line open position. Valve configuration has common port always open with one of the other ports selectably open or both open. It is only possible to close one port at any one time.



BLA Code	Hose Size mm	Width mm	Depth mm	Height Handle Up mm	Mount Screws mm
131138	38	139	110	157	5 r/h



## Whale® The Elegance Range

Suitable for pressure or micro switched systems.  
Use **136639** adaptor for connection to Whale® System 15 pipework.

### Features:

- Microswitch supplied with **134100**, **134004**, **134102** and **134106** is easily installed without tools. Turns on and off non pressure pumps with turn of tap
- Pillar valve for fine flow control
- Internal joints and seals are not under pressure when taps are closed
- Available as single or mixer units
- Robust ABS construction
- Elegance faucets and showers are serviceable, they are not sealed units



## Whale® Combination Faucet Showers



The swivelling faucet features a socket base unit with a retractable hose that enables use as a faucet or shower. Water flow can be temporarily shut off at the shower head. Wall mount for shower head included. Available as single or mixer tap.



134106

BLA Code	Description	Mount Base mm	Hose Size mm	Height Above Bench mm	Mount Screws mm
<b>134106</b>	Single	112 x 53	12	120	4 c/s
<b>134108</b>	Mixer	164 x 55	12	120	4 c/s

### Spare Parts:

- 134602** Tap service kit  
**134603** Tap knob, stem, red and blue rings  
**134609** Replacement handset – ½" BSP  
**136637** Adaptor to connect to system 15 (2 pack)

### Superceded Parts

- 134604** Replacement hose, ¾" BSP plastic ends, 1.7m  
**134606** Replacement handset – ¾" BSP

*N.B. Space must be available beneath tap for shower hose storage.*

## Whale® Single Faucet Tap



Swivelling standard faucet for cold water only systems.



BLA Code	Mount Base mm	Hose Size mm	Height Above Bench mm	Mount Screws mm
<b>134100</b>	112 x 53	12	120	4 c/s

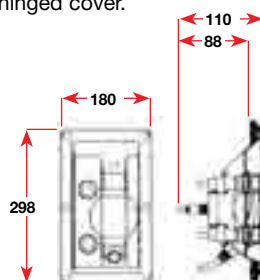
### Spare Parts:

- 134602** Tap service kit  
**134603** Tap knob, stem, red and blue rings  
**136637** Adaptor to connect to system 15 (2 pack)

## Whale® Swim-N-Rinse Showers



Ideal for the swim platform of any boat. This recess mounted unit features a retracting hose and multi adjustable shower head. Available as a single or mixer tap with or without hinged cover.



134113

BLA Code	Description	Cover	Tap Tall BSP	Mount Screws mm
<b>134112</b>	Mixer swim/rinse	No	½" ext.	6 c/s
<b>134113</b>	Mixer swim/rinse	Yes	½" ext.	6 c/s

### Spare Parts:

- 134602** Tap service kit  
**134603** Tap knob, stem, red and blue rings  
**134608** Replacement hose, ½" and ¾" BSP metal ends, 2.1m  
**134609** Replacement handset – ½" BSP

### Superceded Parts:

- 134606** Replacement handset – ¾" BSP

*N.B. Space must be available beneath tap for shower hose storage.*

## Whale® Mixer Faucet Tap



Swivelling mixer faucet for hot and cold water systems. Available in short or long faucet configuration.



134104

BLA Code	Description	Mount Base mm	Hose Size mm	Height Above Bench mm	Mount Screws mm
<b>134102</b>	Mixer short	164 x 55	12	120	4 c/s
<b>134104</b>	Mixer long	164 x 55	12	184	4 c/s

### Spare Parts:

- 134602** Tap service kit  
**134603** Tap knob, stem, red and blue rings  
**136637** Adaptor to connect to system 15 (2 pack)

## Whale® Twist Hand Showers

A truly innovative and versatile deck shower combining real shower feel with performance and functionality. Fast, simple installation requiring only one circular hole and easy plumbing connection. The design incorporates integral twist control allowing simple flow adjustment. For neat under deck stowage of hose use the twist stowage bag, **134170**.

### Features:

- Lightweight rubber Deck Protect™ end cap design prevents damage to gelcoat and deck
- Wipe clean nozzles for easy removal of lime scale
- Twist control adjusts temperature if connected to hot water supply
- High quality ceramic valves for maximum efficiency and accurate control
- Streamlined ergonomic design
- Manufactured from high quality U.V. resistant ASA materials
- Unique unobtrusive housing available in two holder styles (mixer only)
- Can be conveniently mounted on flat or curved surfaces
- 2.5m patented single D hose carries hot and cold water (mixer only)
- Rubberised end cap makes handset easy to pull out for use and acts as a seal when stowed, no need for cover or lid

BLA Code	Description	Outside Dia. mm	Cut Out Size mm	Max. Intrusion mm	Plumbing Connection BSP
<b>134160</b>	Cold only handset with angled housing	119	88	330	½" int
<b>134162</b>	Mixer handset with straight housing	53	48	330	½" ext
<b>134170</b>	Hose storage bag				



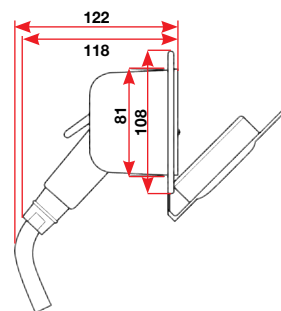
134162

## Whale® Swim 'n' Rinse Compact Deck Shower

This easy to use compact shower is the simple deck shower solution. The shower boasts high performance levels while the one touch trigger allows effortless control and uses high quality marine grade materials ensuring reliability. The shower is also simple to install with an angled holder and is virtually maintenance free.

### Features:

- Easy to use - One hand trigger
- High performance - Great flow and pressure
- Ease of Installation - Straight or angled holder
- Quality and reliability - Long-life marine grade materials



BLA Code

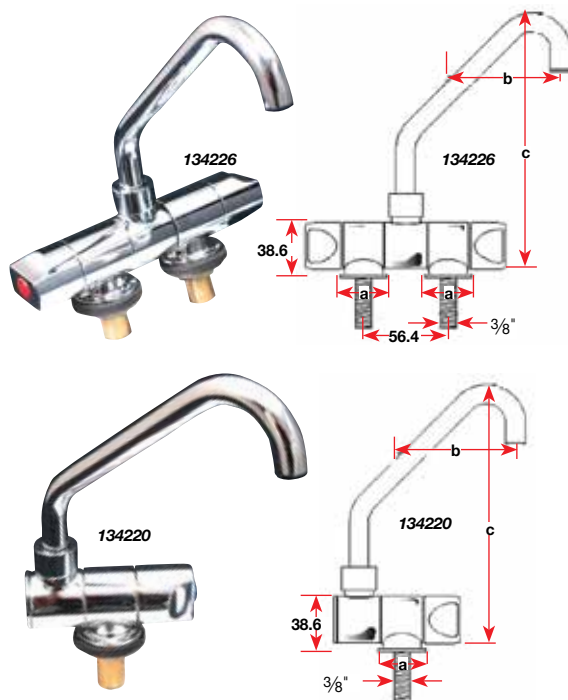
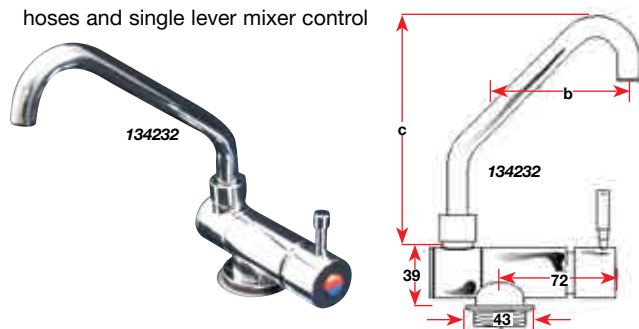
**134117**

## Bora Tapware Range

Italian made chrome plated brass. Range includes single and double tap controls in a variety of handle styles plus hot and cold mixer unit. Faucet (**134226** excluded) can be laid flat for easy and convenient storage under a sink in-fill. Ideal for use in restricted areas such as caravans, RVs and smaller boats. All controls feature hot or cold water indicators where applicable.

### Features:

- Elegant Euro styling
- All bright chrome finish over heavy duty brass
- Swivelling faucets on all models
- Lay flat faucet design (**134226** excluded)
- Standard ⅜" plumbing connections
- **134232** mixer includes braided connector hoses and single lever mixer control



BLA Code	Type	a mm	b mm	c mm	Thread BSP
<b>134220</b>	Single faucet	36	105	180	⅜" ext
<b>134226</b>	Dual faucet	36	105	180	⅜" ext
<b>134232</b>	Mixer faucet	43	105	182	⅜" ext



## Whale® Manual Galley Pump - 'V' Pump Mk6



This simple, adjustable height, vertical hand pump is self-priming and is ideal for installations where space is limited. The narrow mounting base allows neat fitting between two sinks to serve both. Fits directly into Whale® System 15 plumbing. Constructed from acetal copolymer, anodised aluminium, neoprene, nitrile rubber and stainless steel.

### Features:

- Adjustable height
- Suitable for fresh and salt water
- Smooth double action



BLA Code	Cap L/m	Max. Lift m	Hose Size mm	Mount Base mm	Above Bench mm	Mount Screws mm
133050	8.2	3	15	32 x 80	90-390	4 c/s

### Spare Parts:

133420 Service kit

## Mini Electric Galley Pump

12 volt centrifugal pump with mount bracket. The pump comes complete with compact chrome plated swivel faucet with integral switch. Faucet dimensions are, base 90 x 43mm, height 117mm.



BLA Code	Power v	Power amp	Capacity L/m	Head m	Pump Width mm	Pump Length mm
133120	12	3	6.6	2	67	120

## Whale® Manual Galley Foot Pump - Baby Foot Mk2



Designed for simple and space saving floor mounting, the Baby Foot pump is a single action pump that incorporates efficient flap valves, providing maintenance of prime. Can also be used as a primer and standby pump with a Whale® electric centrifugal pump in a combined electric/manual system. Constructed from moulded acetal copolymer, nylon, stainless steel and neoprene rubber. Self-priming.



BLA Code	Cap L/m	Max. Lift m	Hose Size mm	Depth mm	Width mm	Height mm	Mount Screws mm
133058	8	1.5	13	137	100	70	4 r/h

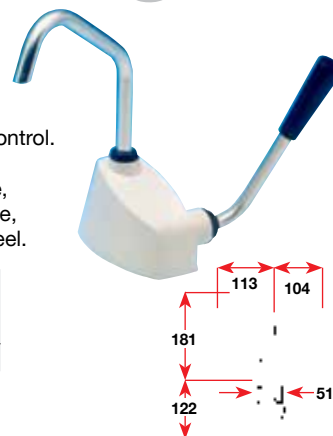
### Spare Parts:

133440 Service kit

## Whale® Manual Galley Pump - Flipper Mk4



A self-priming rocker action, hand galley pump that is simple to install and service. Swivelling faucet, single action output with fine flow control. Constructed from acetal copolymer, nylon, polystyrene, anodised aluminium, neoprene, nitrile rubber and stainless steel.



BLA Code	Cap L/m	Max. Lift m	Hose Size mm
133054	7	3	13

### Spare Parts:

133430 Service kit

## Manual Vertical Galley Pumps

Simple but reliable self priming double action vertical pump mechanism. Suitable for salt and fresh water. Easy single 32mm hole installation. Available in alloy pump barrel. Gloss finish injection moulded head assembly with anodised alloy spout. Seals carry FDA food grade certification. Applications include boat galleys and heads, caravans, campers, relocatables and portable toilet sinks, and similar. 5 litre per minute capacity.



BLA Code	Head Colour	Barrel	Protrusion mm	Intrusion mm	Hose Size mm
133038	Black	Alloy	95	180	13
133040	White	Alloy	95	180	13

## Whale® Manual Galley Foot Pump - Gusher Mk3



The Gusher Galley Mk3 has been fitted by thousands of satisfied users worldwide and is probably the most popular marine foot pump ever made. Easy, smooth double action gives fine control from a trickle to full flow. Three mounting arrangements: on floor, behind bulkhead or on a bulkhead. Very neat when installed with pedal through bulkhead. Ideal as a backup pump for an electric water system and fits directly into Whale® System 15 plumbing. Multi-directional inlet and outlet hose connections. Suitable for salt and freshwater. Constructed from acetal copolymer, nylon, neoprene, nitrile rubber and stainless steel.



BLA Code	Cap L/m	Max. Lift m	Hose Size mm	Width mm	Height mm	Front To Back mm	Mount Screws mm
133062	15	2	15	152	131	196	4 r/h

### Spare Parts:

133446 Service kit



## Marine Town® Manual Sump Pump



Designed for the removal of sump oil through the dipstick hole. Brass and neoprene construction. Complete with pick up and outlet tubes.



BLA Code	Intake Tubes mm	Outlet Tube mm	Pump Length mm	Pump Dia. mm
<b>132100</b>	8 x 600 & 6 x 600	12x240	230	38

## Manual Galley Foot Pump – Double Action

Universal mounting via floor or bulkhead fastenings, with rotatable inlet/outlet connections. Mounts inside galley cupboard with pedal access through bulkhead. Injection moulded plastic housing with diecast alloy pedal, neoprene diaphragm and valves. Applications include boats, caravans, campers, portable toilet sinks and similar.



BLA Code	Capacity L/m	Hose Size mm in	Width mm	Height mm	Front to Back mm
<b>133002</b>	15	13 ½	152	123	205

## Portable Shower Kit

Submersible in-line pump supplied with 3.1 metres of electrical cord fitted with a cigarette lighter plug, waterproof in-line on/off switch, 2 metres of 10mm ID hose and adjustable flow shower head with suction cup mount. Ideal for camping and boating.



BLA Code	Power v	amp
<b>133118</b>	12	1.5

## Whale® Pressure Switch MK2



Recommended for use with the Whale® in-line submersible and non-automatic pumps installed in conjunction with Whale® Elegance faucets. The pressure switch detects pressure drop with the opening of any tap in the system and activates the pump instantly. Adjustable pressure setting to a maximum of 2.6 bar (30 psi). Requires 1 x pack, (pair) **136637** for use with Quick Connect 15 system, additionally 2 x **136657** for use with ½" hose.



BLA Code	Power v	amp	Length mm	Width mm	Height mm
<b>133471</b>	12	10	102	35	79
	24	5			

## Whale® Surge Damper



Prevents water hammer and also reduces switch hunting. Designed for pressurised water systems using Whale® system 15. The surge damper should be mounted in a vertical position immediately after the pump discharge side. Connection is via a 15mm nipple. For connection to Whale® Quick Connect 15 pipework, use a **136624** 'T' piece for hot and cold water systems. Completely sealed unit requiring no servicing. Supplied with mount bracket.



BLA Code	Overall Height mm	Diameter mm	Mount Screws
<b>133820</b>	210	51	4 c/s

## Whale® Aquasource Clear Disposable Filters



Aquasource Clear gives a refreshing taste to the water you drink by removing unpleasant smells and particles. The Aquasource filters are not bacterial filters. Its longer length (30cm) means that water is better filtered through longer contact with the silver activated carbon. Its slim and compact size enables it to be located in confined spaces. Supplied with 12mm nipples and mount bracket. To fit Whale® semi-rigid pipework Quick Connect 15, use adaptor **136637**. Whale® has designed the filter to last one season or 4500 litres and recommends that the filter be replaced after this period. Maximum pressure 4 bar.



BLA Code	Diameter mm	Length mm	Mount Screws	Inlet/Outlet mm
<b>133804</b>	51	300	4 c/s	12
<b>133806</b>	51	300	4 c/s	15

## Capri Tapware Range

Contoured hollow grip handle and a slim profile make the Capri range the ideal choice for compact areas.

### Features:

- Single lever flick mixer control
- Maintenance free ceramic disc valves
- Bright chrome finish
- Connector hoses and under bench mount hardware included

**134240** has a pull out handset/shower with trigger on/off control. The water can also be adjusted from stream to spray by moving the rose surround in or out.



134239



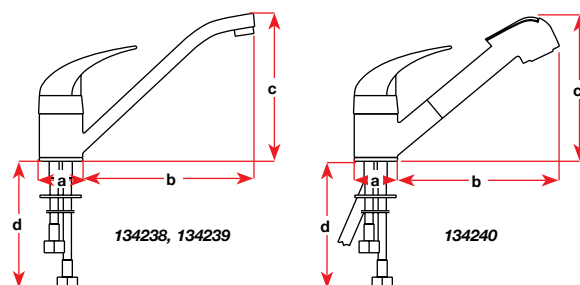
134238



134240

BLA Code	Type	a mm	b mm	c mm	d mm	Plumbing Connection BSP
134238	Short swivel faucet	45	140	140	250	½" ext
134239	Long swivel faucet	45	175	140	250	½" ext
134240	Combo tap/shower	45	150	140	250	½" ext

N.B. 134240 also requires space below for shower hose storage.



## SPX Faucet

Sleek faucet design.

**SPXFLOW**  
Johnson Pump®



BLA Code  
**134020**

## Whale® Portable Pump Kit



Versatile 12 volt submersible pump with hose and nozzle. Suitable for cold and warm water, diesel, light oils, detergents and most pesticides. Not suited to petrol, highly flammable or corrosive liquids.

### Kit inclusions:

- Supersub centrifugal pump with 3.5 metre lead fitted with two alligator clips and cigarette lighter style plug
- Nozzle – adjustable on/off, fine spray or a jet of water
- 3.75 metre food quality clear hose



BLA Code	Capacity L/m	Power v amp
133114	13.4	12 6.5

## Compact Shower

Off white U.V. stabilised polypropylene body and cover can easily be mounted on most common surfaces.

ABS shower handset body with removable rose for cleaning and brass on/off valve with stainless steel return spring. Suitable for cold water only with 2 metres of hose attached.

### Features:

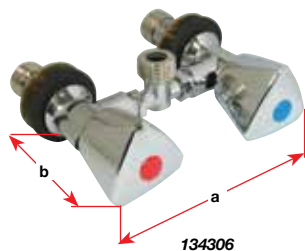
- Low profile compact housing
- Splash proof U.V. stabilised cover
- On/off control in shower head
- 2 metre reinforced retracting hose
- ⅜" BSP internal thread hose connection



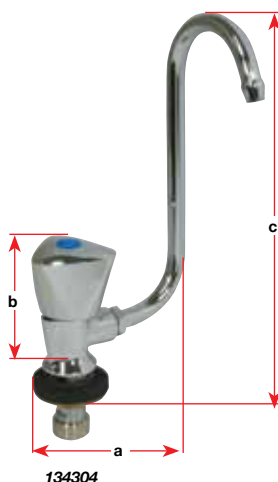
BLA Code	Intrusion mm	Cut Out mm	Thread BSP
134312	150	65	⅜" int

## Mini Taps - Chrome Plated Brass

Italian made chrome plated brass mini single tap, double tap and double shower mixer unit taps have chrome ABS handles with red and blue indicators. Suitable for bench or wall mounting.



134306



134304



134302

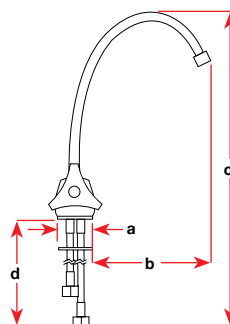
BLA Code	Style	Tap Tall BSP	a mm	b mm	c mm
134302	Mixer faucet	3/8" & 1/2"	135	65	240
134304	Single faucet	3/8" & 1/2"	95	65	225
134306	Shower mixer	3/8" & 1/2"	135	65	—

## Bermuda Mixer Tap

Timeless styling in a twin control but compact form.

### Features:

- Tall swing away mixer faucet with soft flow head
- Individual hot and cold control
- Solid chrome brass construction
- Simple one hole installation
- All bright chrome finish
- Stainless steel braided connector hoses and under bench mount hardware included



BLA Code	a mm	b mm	c mm	d mm	Plumbing Connection BSP
134290	46	115	210	340	1/2" INT

## Telescopic Faucet

For use with foot operated galley pumps and non-pressurised electric galley pumps. Twist on/off valve. 20mm mount hole. Suits 10 and 13mm hose.



BLA Code  
134018

## Whale® Tuckaway and Telescopic Faucets



Simple and lightweight Whale® faucets. Easy to install and available with an optional on/off valve. For use with Whale® foot or non-pressurised electric pumps. Moulded acetal and anodised aluminium construction. Suits 10 and 13mm hose.



134006

134004

BLA Code	Style	On/Off Valve	Colour
134004	Tuckaway	Yes	White
134006	Telescopic	No	White
134008	Telescopic	Yes	White



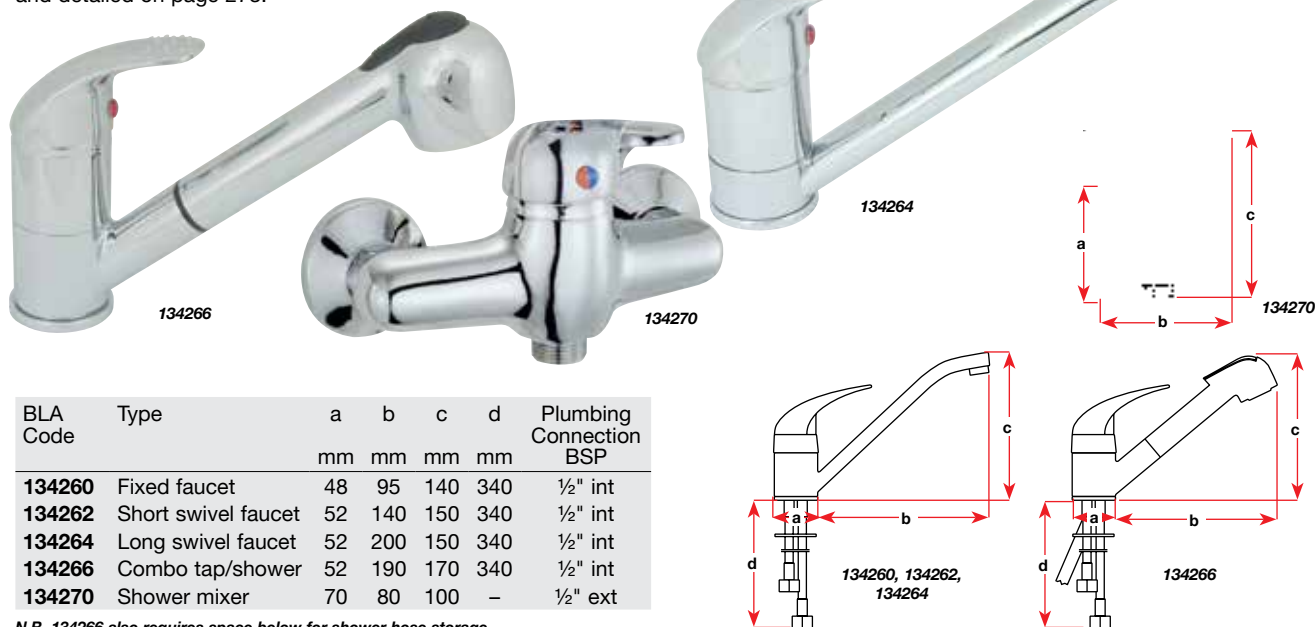
## Coral Tapware Range

A unique look and feel for the discerning boat owner.

### Features:

- Single lever flick mixer control
- Maintenance free ceramic disc valves
- All bright chrome finish
- Fixed and swivelling faucets include stainless steel braided connector hoses and under bench mount hardware
- **134266** has a pull out handset/shower with press button control of water stream (flow or shower spray)

A range of shower hardware to match with Coral tapware is available and detailed on page 273.



BLA Code	Type	a mm	b mm	c mm	d mm	Plumbing Connection BSP
<b>134260</b>	Fixed faucet	48	95	140	340	½" int
<b>134262</b>	Short swivel faucet	52	140	150	340	½" int
<b>134264</b>	Long swivel faucet	52	200	150	340	½" int
<b>134266</b>	Combo tap/shower	52	190	170	340	½" int
<b>134270</b>	Shower mixer	70	80	100	–	½" ext

N.B. 134266 also requires space below for shower hose storage.

## Adriatic Tapware Range

Minimalist euro styling for those who prefer simple form.

### Features:

- Single lever flick mixer control
- Maintenance free ceramic disc valves
- All bright chrome finish
- Fixed and swivelling faucets include stainless steel braided connector hoses and under bench mount hardware
- **134282** has a pull out handset/shower with press button control of water stream (flow or shower spray)

A range of shower hardware to match with Adriatic tapware is available and detailed on page 273.

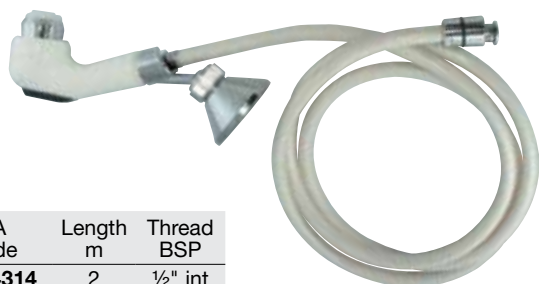


BLA Code	Type	a mm	b mm	c mm	d mm	Plumbing Connection BSP
<b>134278</b>	Short swivel faucet	52	140	150	340	½" int
<b>134280</b>	Long swivel faucet	52	200	150	340	½" int
<b>134282</b>	Combo tap/shower	52	190	170	340	½" ext

N.B. 134282 also requires space below for shower hose storage.

## Hand Shower

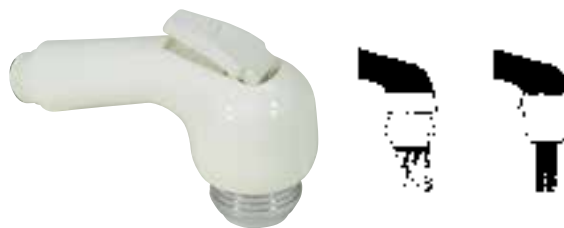
Installed in conjunction with shower mixer taps. White reinforced hose. Compact white handset with integral on/off button and adjustable flow control (stream/spray). Chrome finish ABS plastic wall mount bracket included.



BLA Code	Length m	Thread BSP
<b>134314</b>	2	½" int

## Shower Handset

White moulded ABS plastic shower head with chrome trim. Lever action on/off flow thumb control. Chrome trim ring slides in and out to control flow (stream/spray). Accepts **134326** and **134328** hoses.



BLA Code	Length mm	Width mm	Height mm	Thread BSP
<b>134324</b>	130	48	75	½" ext

## Hand Shower Wall Brackets

Chrome finish ABS plastic wall brackets that provide angled wall mounting for shower hand sets. All brackets accept the **134326** and **134328** shower hose end fitting and also accept the shower hand set of **134240**.



BLA Code	Protrusion mm	Height mm	Width mm
<b>134342</b>	95	75	62
<b>134344</b>	40	44	44
<b>134346</b>	82	49	70

## Shower Handset

Chrome finish ABS plastic shower rose. Easy clean flexible PVC jets. Accepts **134326** and **134328** hoses.



BLA Code	Capacity L/m	Length mm	Width mm	Height mm	Thread BSP
<b>134325</b>	10	200	69	40	½" ext

## Shower Hoses

Available in white finish reinforced PVC or chrome finish spiral reinforced PVC hose. Swaged chrome and stainless steel end fittings. Fits all wall brackets above and all handsets above.



BLA Code	Hose Colour	Height mm	Width mm
<b>134326</b>	Chrome	1.5	½" int
<b>134328</b>	White	1.5	½" int

## SSI Cold Water Stowaway Shower

Cold water tap set in flush mount, U.V. resistant, white ABS plastic housing. Incorporates shower head on a 1.8m long hose. Has a built in 12/24 volt switch for pump control. Pull switch to activate pump, connection closing the door, automatically switches pump off. ½" BSP external thread plumbing connection.

BLA Code	Cut Out Size mm	Overall Width mm	Overall Height mm	Overall Depth mm
<b>134352</b>	180 x 152	209	185	92

N.B. Space must be available underneath panel for showerhead and hose storage.



## Rectangular Sinks

Top quality, polished 304 grade stainless steel sinks with flange. hole to suit 90mm waste fittings. Supplied complete with plug and waste.

BLA Code	Length Int. mm	Width Int. mm	Depth mm	Flange mm
135001	280	225	125	10
135007	380	320	150	15



## Square Sink

Top quality polished 304 grade stainless steel sink with flange. hole to suit 25mm waste fittings. Supplied complete with plug and waste.



BLA Code	Length Int. mm	Width Int. mm	Depth mm	Flange mm
135020	305	305	165	15

## Round Sink

Top quality polished 304 grade stainless steel sinks with hole to suit 25mm waste fittings. Supplied complete with plug and waste.



BLA Code	Diameter Int. mm	Depth mm	Flange mm
135026	280	110	15

## Oval Basin - Plastic

Made from U.V. resistant, white ABS plastic, this versatile basin is suitable for use in the galley, head or the aft deck. Supplied complete with plug and 25mm plastic waste fitting.



BLA Code	Length Int. mm	Width Int. mm	Depth mm	Flange mm
135034	300	260	125	25

## Flush Drains/Sink Wastes

Countersunk flush drains. Suit sinks listed on this page or can be used for ice boxes, livewells, roof drains and similar. Moulded in white nylon. Plug sold separately.



135212



135202

BLA Code	Outside Dia. mm	Mount Hole mm	Intrusion mm	Hose Size mm	in
135210	44	34	50	19	3/4
135212	45	33	41	25	1

### Accessories

135202 25mm rubber plug

## Flush Drain/Sink Waste

Countersunk flush drain, 90° elbow configuration moulded from white nylon. Suits all sinks listed on this page or can also be used for ice boxes, live-wells and similar. Plug sold separately.



BLA Code	Outside Dia. mm	Mount Hole mm	Intrusion mm	Hose Size mm	in
135211	46	34	49	19	3/4

## Flush Drain/Sink Waste

Moulded white nylon. Unique design provides 90° elbow or straight mounting. The countersunk inner sink fitting is in itself a tail, simply cut down the outer elbow section for straight installation. Fits all sinks listed on this page or it can also be used for ice boxes, live-wells and similar. Plug sold separately.



BLA Code	Outside Dia. mm	Mount Hole mm	Intrusion Straight mm	Intrusion Elbow mm	Hose Size mm
135214	46	33	41	64	25

## Isotherm® Stainless Steel Water Heaters - Australian Standards Approved

Smart finish in a brushed stainless steel exterior, the quality of the Isotemp Basic by Isotherm®, is not just skin deep. Optimal water heating is achieved in two ways, firstly by an immersed electric heating element (immersion heater) and secondly by utilising the boat's engine water heat (heat exchange). Isotemp water heaters may be used with freshwater or saltwater cooled engine systems. The immersion heater and heat exchanger are positioned in the lowest part of the tank, providing even thermostatic cycle heating of the water in the system. The engine water heat exchanger coil is extra long for faster heating, especially handy on sailing yachts which may run their engine for short periods only. The water inlets and outlets are positioned to minimise mixing of cold water into the hot, by the incoming water.

The immersion heater has been designed to enable easy removal to allow for inspection and cleaning of the tank. The materials used in the construction of the tank are of the highest quality. Acid resistant stainless steel AISI 316 is used for all parts of the tank that are in contact with water. The internal tank is insulated with expanded polyurethane insulation ensuring low temperature loss. The outer cover and mounting feet have been crafted from non-magnetic stainless steel AISI 304. The fixing feet are adjustable to 360°, allowing the tank to be mounted horizontally or vertically.

An optional accessory to the range is the thermostatic mixing valve, **135840**, (controls the maximum temperature of water at the tap) which adds to safety, particularly important if having young children on board. The Isotemp range of water heaters by Isotherm® have a two year full warranty and a five year limited warranty on the tank.



BLA Code	Volume L	Style	Dimensions Length x Dia. mm	Weight kg	Max. Pressure bar	Immersion Heater Volt	Immersion Heater Watt
<b>135692</b>	20	Slim	655 x 295	9	5.0	240	750
<b>135696</b>	25	Slim	780 x 295	11	5.0	240	750
<b>135700</b>	24	Basic	460 x 395	11	5.0	240	750
<b>135702</b>	40	Basic	630 x 395	17	5.0	240	750
<b>135704</b>	50	Basic	750 x 395	20	5.0	240	750
<b>135706</b>	75	Basic	1040 x 395	24	5.0	240	750



## Whale® Heater Connector



Stainless steel reinforced heater hose installed between water heater outlet and system 15 plumbing. ½" NPT external thread one end and ½" NPT internal thread the other. 400mm in length.

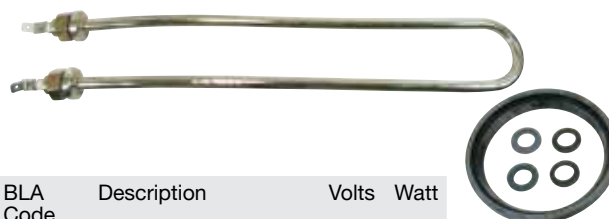


BLA Code  
**136663**

## Isotherm® Immersion Heater Element



Isotherm® stainless steel water heaters are supplied standard with 240 volt, 750 watt immersion heating elements. For vessels travelling to or being exported to USA, the 240 volt element can be replaced with a 110 volt 750 watt element. Element to be fitted by a licensed electrician or registered electrical contractor.



BLA Code	Description	Volts	Watt
<b>135720</b>	Replacement element	240	750
<b>135722</b>	Replacement element	115	750

## Pressure Relief Valve

Replacement hot water pressure relief valve to suit Isotemp water heaters. Threaded ½" BSP and preset to 500kPa. Requires **135730** and a **135734** if retro-fitting to existing systems.



BLA Code  
**135728**

### Standard Inclusions

**135730** 15mm Brass 'T'  
**135734** Brass Nipple

## Isotherm® Water Heater Hose Tail Kit



Set of five brass tails to provide connection of hoses from both engine cooling system and fresh water supply to Isotemp Slim and Basic water heaters. Kit includes 2 x 16mm barbed tails with ½" BSP internal thread, 2 x 13mm straight tails with ½" BSP internal thread and 1 x 13mm barbed tail with ½" BSP external thread. The engine connection tails accept 16mm hose and the fresh water connections accept 13mm hose.



BLA Code  
**135640**



## Whale Electric Water Heater - 11L 12V

### Features:

- 12V Power Supply
  - No generator / inverter/ shore power required
- Rapid Heat
  - Hot water in less than 1 hour
  - Heat up time 40°C in 41 minutes, 60°C in 80 minutes
- Heat Retention 40-60°C ~ 10 hours
- Remote switch capable (dash mount etc)
- Safety features
  - Low current switching
  - Integrated temperature and pressure valve
  - Thermal cut out
  - Heating Indication output
  - Ignition protected (ABYC E-11)
- Compact Design
  - Fits in restrictive places
  - ALCLAD tank
  - White aluminium casing
- Connections - 1/2" NPT Female



### Typical Installations



### Ideal System Operating Parameters:

- 15mm Whale Quick Connect System
- Whale Watermaster Automatic Pressure Pump
- Whale Twist® Deck Shower

BLA Code	Tank Material	Capacity L	Fuse Size Amps	Width mm	Depth mm	Height mm	Weight kg	Mounting Arrangement	T&P Valve Specs	Max. Tested Pressure	Connectors	Current Draw
135680	ALCLAD	11	35	368	356	330	6.8	Horizontal	99°C, 75PSI (5.2bar)	300PSI (20.7bar)*	1/2" NPT Female	<30Amps

\*N.B. ABYC requirements 125psi, H-23

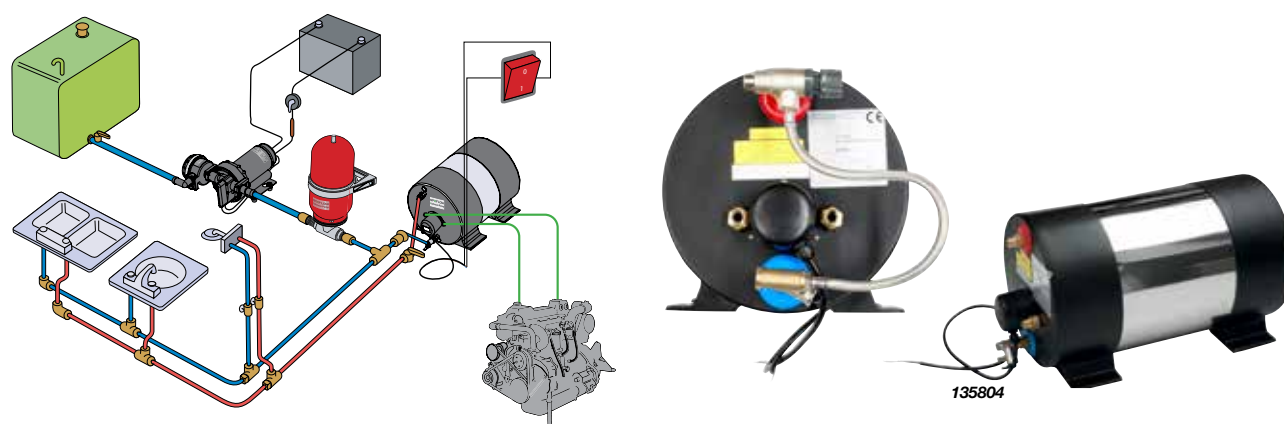
## SPX Marine Water Heaters - AquaH

**SPXFLOW**

> Johnson Pump®

Stainless steel water heaters with dual heating as standard - electrical heating and indirect heating based on a second heat source, for example based on the cooling system from the marine engine or generator set. AquaH is an innovative series of AISI 316 grade stainless steel water heaters, with a storage capacity of 22 up to 80 litres (5.3 to 19.3 gal.). The heaters are cased in AISI grade 304 stainless steel and are supplied with a sturdy compact plastic end cover which also includes the mounting brackets.

Electrical heating elements are available in Incoloy at 500 & 1200 Watts allowing hot water production when engine heat is not available but when 230 volts AC is. Supplied with an adjustable safety thermostat for temperature adjustment while on electrical heating.



BLA Code	Volts	Electrical Supply w	Storage Capacity L	Water Temperature in °C							
				20	25	30	35	40	45	50	55
135824	220	1200	80	23	46	69	93	116	139	162	186
135804	220	500	22	15	30	46	61	76	92	107	122
135808	220	500	30	20	41	62	83	104	125	146	167
135812	220	500	45	31	62	94	125	156	188	219	251
135820	220	500	60	41	83	125	167	209	251	293	334

### Accessories:

- 135840 AquaH Thermostat Water Mixer Kit
- 135844 Pressure Relief Valve

## Clear PVC Hose

Non-toxic, clear vinyl tubing for general use.



BLA Code	Inside Dia. mm	Length m
136004	6	30
136006	8	30
136008	10	30
136010	13	30
136016	19	30
136018	25	30

## Shields Multiflex Hose

Non kink hose with a reinforced black vinyl helix in crystal clear vinyl tube. Smooth bore. Suitable for potable water fill, sinks, bilge pumps, showers, ice boxes and live-well drains (above the waterline). Sold in 30 metre rolls.



BLA Code	Inside Dia. mm
136020	19
136022	25
136024	28
136026	32
136028	38

## Spiralflex Bilge Pump Hose

A very flexible smooth bore black plasticised PVC, abrasion resistant and U.V. resistant hose. Reinforced with a spiral wound rigid white PVC coil that maintains form under suction even when bent to the minimum radius. Bend radius is about twice the hose ID thickness. Resists oils, diesel and detergents. Supplied in 30 metre coils.



BLA Code	Inside Dia. mm
136030	19
136031	25
136032	28
136033	32
136034	38

## Shields VAC Sanitation/Bilge Hose



Smooth white PVC hose with hard vinyl helix reinforcement, vacuum rated and resistant to odour permeation, mild chemicals and salt water. Sold in 30 metre rolls.

### Applications include:

- Sanitation – toilet to holding tank, holding tank pump out
- Bilge pump – intake and outlet
- Drains – sinks, scupper, showers
- Deckfill – potable water
- Livewells – intake and outlet



BLA Code	Inside Dia. mm
136126	19
136128	25
136136	38

## Spigoted Bilge Pump Hose

An economical convoluted hose commonly used with submersible electric bilge pumps for bilge water discharge. Convoluted form resists kinking but still bends to a tight radius. Spigots at regular intervals providing a smooth bore, smooth outer section for connection with hose clamp to pump, or above waterline skin fitting. Sold in 15 metre rolls.



BLA Code	Inside Dia. mm	Spigot Centres mm
136052	19	300
136054	28	300

## Fuel Deck Filler Hose

A premium grade reinforced rubber type hose, commonly used to connect deck filler to fuel tank, for both diesel and petrol. Black NBR/PVC blended compound with textile cord and spiral wire reinforced interior. SAE J1527, USCG, Type A1, ISO 7840-A1CE approved. Also suitable for use as wet exhaust hose. Sold in 15 metre rolls.



Image for illustration purposes only

BLA Code	Inside Dia. mm
136060	38
136062	50

## Reinforced Clear Food/Fuel Hose

Petrol resistant, multi-purpose (air/water). Meets AS2070 food contact requirements. Suitable for fuel TRANSFER ONLY. For other fuel hoses refer Section 20.



BLA Code	Inside Dia. mm	Length m
136072	6	20
136074	8	20
136076	10	20
136078	13	20
136080	16	20
136082	19	20
136084	25	20
136088	32	20
136092	38	20
136096	50	20

## Odour Free Sanitation Hose

Odour permeation in marine sanitation systems is not only unpleasant but also presents health risks. Odour free sanitation hose has up to five times better resistance to odour permeation than competitor PVC sanitation hoses. Vacuum rated to 90kPa. Smooth bore and easy clean smooth finish white outer surface. Sold in 20 metre rolls.



BLA Code	Inside Dia. mm
136142	19
136144	25
136146	38

## Bilge Pump Installation Kits

Convenient and practical submersible bilge pump installation kits available in two variants to suit 19mm (3/4") or 28mm (1 1/8") bilge systems.

Kit **131144** consists of 1.5 metres (5 feet) of 19mm (3/4") convoluted spigoted bilge pump hose providing excellent bend characteristics, one 19mm (3/4") quality nylon skin fitting and two marine grade stainless steel hose clamps to suit.

Kit **131146** consists of 1.8 metres (6 feet) of 28mm (1 1/8") convoluted spigoted bilge pump hose providing excellent bend characteristics, one 28mm (1 1/8") quality nylon skin fitting and two marine grade stainless steel hose clamps to suit.

Each kit is clam shell packaged. Where longer hose lengths are required BLA stocks 15 metre rolls of 19mm (**136052**) and 28mm (**136054**) spigoted bilge hose for workshop use and retail cut length sales.



131146



131144



BLA Code	Hose Size mm
131144	19
131146	28

### Accessories:

**131330** Service Kit t/s Gulper 220 AK1550

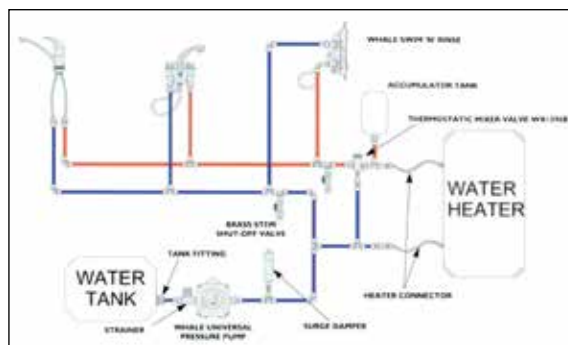


## Whale® Quick Connect 15

The Quick Connect 15 water system offers a simple, reliable, time and cost effective, high integrity plumbing system. The only tool required for assembly is a tube cutter. Plumbing can be disconnected and reassembled at any time without tools. All connections are external for minimal flow restriction. All components are manufactured from non-toxic food grade materials.

### Features:

- Unique 'double gripper' provides secure lifelong tube retention even at excessive pressures
- Collet has internal support ring ensuring O-ring seal is held in position and does not distort or leak under pressure
- The innovative, tube supporting, 'cage collet' design eliminates leaks where fittings are close to tight bends
- High integrity single piece moulding for reliability and strength
- Outer sleeve incorporates collet cover preventing accidental tube release



Typical Installation

To assemble  
Fig 1

Cut to length by making a straight clean cut (use Whale® tube cutters on a mark).

Fig 2

Simply push the tube into the fitting up to the internal stop.

To Disconnect  
Fig 3

Push back on the grey collet against the face of fitting.

Fig 4

Hold the collet in and pull out the tube

## Whale® Quick Connect 15 Tubing

Semi rigid tubing. 15mm OD, 11mm ID. Available in red, blue and green, all manufactured to food grade.

### Ratings:

- Cold: 12 bar at 20°C
- Hot: 6 bar at 65°C



75mm minimum bend radius

BLA Code	Length m	Colour
136602	10	Blue
136604	10	Red
136605	10	Green
136606	50	Blue
136608	50	Red
136610	50	Green

### Accessories:

136664 Whale® Quick Connect 15 Clip



## Whale® Straight Joiner

In-line connection for Quick Connect 15 tubing.



BLA Code  
136620

## Whale® Elbow Joiner

Elbow fitting for use with Quick Connect 15 tubing.



BLA Code  
136622



## Whale® 'T' Joiner

'T' piece for use with Quick Connect 15 tubing.



BLA Code  
136624



## Whale® Stem 'T'

Accepts Quick Connect 15 hose on two ends. 15mm stem fitting the other. Can be linked in a manifold fashion.



BLA Code  
136625



## Whale® End Plug

Internal brass end plug for Quick Connect 15 fittings.



BLA Code  
136626



## Whale® End Stop 15mm

End stop fitting for use with Quick Connect 15 tubing.



BLA Code  
136628





**Whale® Push-On Adaptors**

Adapt existing 11mm or 12mm stems to suit Quick Connect 15 fittings.



BLA Code	Inside Dia. mm	Outside Dia. mm
136638	11	15

**Whale® Hose Tail**

13mm barbed straight hose tail to Quick Connect 15 tubing.



BLA Code
136642

**Whale® Thread Adaptors**

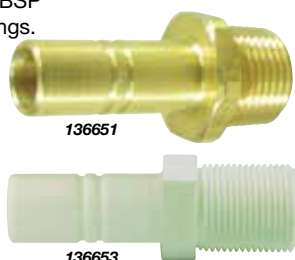
Used to adapt 1/2" BSP and 3/4" BSP threads to Quick. Connect 15 tubing. **136647** sold as a pair.



BLA Code	Thread BSP	Material
136647	3/8"	Plastic
136648	1/2"	Plastic
136649	1/2"	Brass
136650	3/4"	Plastic

**Whale® Hose Tails - Brass**

Used to adapt 1/2" NPT and 1/2" BSP thread to Quick Connect 15 fittings.



BLA Code	Thread BSP	Material
136651	1/2" NPT	Brass
136653	1/2" BSP	Plastic

**Whale® Ball Valve**

Polysulphur ball valve with Quick Connect 15 connections both ends. Large easy grip valve control.



BLA Code
136658

**Whale® System Converters**

Converts from System 12 to System 15.



BLA Code	Pack Qty
136636	1
136637	2

**Whale® Stem Elbow**

Elbow fitting accepts Quick Connect 15 tubing one end. 15mm stem fitting the other.



BLA Code
136640

**Whale® Elbow Adaptor**

Elbow fitting that accepts Quick Connect 15 tubing one end, 1/2" BSP brass internal thread the other end.



BLA Code
136641

**Whale® Thread Adaptors**

Used to adapt 1/2" BSP and 3/4" BSP threads to Quick Connect 15 tubing.



BLA Code	Thread BSP	Material
136634	3/8"	Plastic
136635	3/8"	Brass
136644	1/2"	Plastic white
136645	1/2"	Brass
136646	3/4"	Plastic white

**Whale® Barbed Adaptors**

Adapts Quick Connect 15 to hose.

**136655** and **136660** sold as a pair.



BLA Code	Description	Suits Hose Internal Dia.
136655	Straight	19
136656	Straight	16
136657	Straight	13
136660	Elbow	13
136661	Elbow	19

**Whale® Non-Return Valve**

An in-line non-return valve designed to accept Quick Connect 15 tube fittings either end.



BLA  
Code  
**136654**

**Whale® Non-Return Valves**

The Whale® non-return valves offer a simple way to maintain prime in a suction or discharge line. Designed to fit in-line, they can also be dismantled for ease of cleaning. **131114** accepts 25mm hose but can be cut to accept 38mm hose. Totally non corrosive construction.



BLA Code	Length mm	Width mm	Height mm	Hose Size mm
<b>131112</b>	89	32	32	19
<b>131114</b>	127	45	53	25/38

**Spare Parts:**

**131229** Replacement valve for **131114**

**Whale® Tank Fitting**

Designed to mount through up to 6mm material for direct connection of Quick Connect 15 tubing to the water tank.



BLA  
Code  
**136662**

**Whale® Quick Connect 15 Clip**

Used to mount Quick Connect 15 pipe work.



BLA  
Code  
**136664**

**Whale® Tube Cutters**

Heavy duty cutter designed to cut Quick Connect 15 tubing squarely.



BLA  
Code  
**136666**

**Whale® Non-Return Valve**

Incorporates a specially moulded base to prevent it being sucked flat to the base of a water tank when used in the end of a supply hose. Ensures maintenance of prime. White plastic body. Constructed from acetal and nitrile rubber.



BLA Code	Hose Size mm	in	Length mm	Base Dia. mm
<b>133850</b>	13	1/2	47	13

**Water Holding Tanks**

Roto moulded in 5mm minimum thickness polypropylene, suitable for drinking water. Nine plumbing connection ports all utilising 1½" BSP threads. Tanks are supplied with all ports blank except the top deck filler port. Simply cut out any required port with a 40mm hole saw and screw in 1½" BSP fitting. A range of reducers are available to convert the 1½" BSP port to smaller BSP diameters.



BLA Code	Litres	Length mm	Width mm	Height mm
<b>135304</b>	60	400	400	400
<b>135306</b>	120	800	400	400

**Accessories:**

**138486** 1½" to 1¼" BSP reducer  
**138487** 1½" to 1" BSP reducer  
**138488** 1½" to ¾" BSP reducer  
**138489** 1½" to ½" BSP reducer

**Whale® Thermostatic Mixer Valve**

Temperature adjustable with integral non return valves on the supply side. Installed in conjunction with water heaters to control the maximum temperature of water at the tap or shower. Factory reset at 43°C. ½" BSP external threaded ports accept Whale® System 15 fittings. Nickel plated brass body, stainless steel and heat resistant plastic internals.



BLA  
Code  
**136686**

**Whale® Pressure Relief Valve**

Designed for mounting in-line within the water pressure system for protection of pipes and fittings against over pressure. Pressure relief is preset at (87PSI) 6 BAR. Brass body with ½" NPT internal threaded ports.



BLA  
Code  
**136680**

## Whale® Three Way Valve Quick Connect Adaptor



Three way ball valve provides two different flow directions. Housing constructed of brass with plastic System 15 Quick Connect Adaptors.



BLA  
Code  
**136659**

## Hose Clamps - 'T' Bolt Tridon

Used where optimum clamping security is essential i.e. engine cooling/exhaust systems, bilge pumping systems and sanitation plumbing. Solid 304 grade stainless steel construction. Rolled edges to prevent clamp cutting into hose. Hex head adjustor bolt.

BLA Code	Size mm
<b>136518</b>	48-51
<b>136520</b>	52-55
<b>136522</b>	56-59
<b>136524</b>	60-63
<b>136525</b>	62-65
<b>136529</b>	71-76
<b>136535</b>	89-94
<b>136539</b>	101-107
<b>136542</b>	113-121
<b>136550</b>	162-174



136520

## BLA Stainless Steel Hose Clamps - Bulk Bagged

A range of popular common stainless steel hose clamps, packaged in bulk bags for ease of ordering and shipping and offered at a reduced price.

Each hose clamp is in turn individually slim line tagged which states BLA code, description, size and barcode for your convenience.

This line complements BLA's comprehensive range of popular stainless steel products packaged on blister cards. This range includes shackles, thimbles, snap hooks and wire rope grips.



Product specific details  
on outer bulk bag label



**136422B10**  
Bag of 10 hose clamps



**136416B50**  
Bag of 50 hose clamps



BLA Code	Size mm	Qty
<b>136412</b>	5.5-16	1
<b>136412B</b>	5.5-16	200
<b>136412B10</b>	5.5-16	10
<b>136412B50</b>	5.5-16	50
<b>136414</b>	11-20	1
<b>136414B</b>	11-20	200
<b>136414B10</b>	11-20	10
<b>136414B50</b>	11-20	50
<b>136416</b>	13-23	1
<b>136416B</b>	13-23	200
<b>136416B10</b>	13-23	10
<b>136416B50</b>	13-23	50
<b>136418</b>	14-27	1
<b>136418B</b>	14-27	100
<b>136418B10</b>	14-27	10
<b>136420</b>	17-32	1
<b>136420B</b>	17-32	100
<b>136420B10</b>	17-32	10
<b>136422</b>	21-38	1
<b>136422B</b>	21-38	100
<b>136422B10</b>	21-38	10
<b>136424</b>	21-44	1
<b>136424B</b>	21-44	100
<b>136424B10</b>	21-44	10

BLA Code	Size mm	Qty
<b>136426</b>	27-51	1
<b>136426B</b>	27-51	100
<b>136426B10</b>	27-51	10
<b>136428</b>	33-57	1
<b>136428B</b>	33-57	100
<b>136428B10</b>	33-57	10
<b>136430</b>	40-64	1
<b>136430B</b>	40-64	100
<b>136430B10</b>	40-64	10
<b>136432</b>	46-70	1
<b>136432B</b>	46-70	100
<b>136434</b>	57-76	1
<b>136434B</b>	57-76	100
<b>136436</b>	65-89	1
<b>136436B</b>	65-89	100
<b>136437</b>	84-108	1
<b>136437B</b>	84-108	50
<b>136438</b>	105-127	1
<b>136438B</b>	105-127	50
<b>136439</b>	130-150	1
<b>136439B</b>	130-150	50
<b>136440</b>	155-178	1
<b>136440B</b>	155-178	50



Outer Bag Label

Outer bag label includes:

**136416B50** – BLA product code  
**'B'** denotes bulk quantity bagged  
and sold under one product code

Detailed product description

**QTY50** – Bulk quantity contained within bag

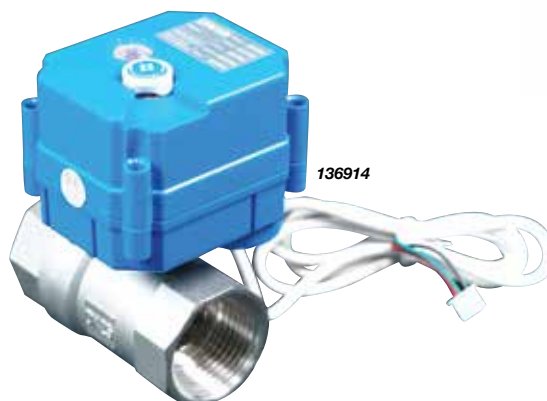
Each hose clamp contained within the bag is individually labelled with details including BLA product code, product description and measurement plus individual bar code.



## Electrical Actuated Ball Valves

A range of convenient electric actuators combined with 304 grade stainless steel two way ball valves to provide remote operation allowing the ball valve to be opened or closed electronically from a single position. The electric actuators are operated via a standard three position electrical switch (not supplied). For added safety a simple yet efficient built in manual override function is standard for use in the event of a power failure (valve accessibility required). An easy to view ball position window is recessed into the top housing ensuring total valve closure.

For 3/4" and 1" valves the actuator mechanisms are housed in a tough heavy duty polyamide shell, providing excellent corrosion resistance and protection against accidental knocks. The 1 1/2" actuator mechanism is enclosed in a heavy duty die cast aluminium housing providing excellent protection. All actuators are fully sealed to IP67 specifications to prevent water ingress. With a quick open and closing time of less than 12 seconds per direction these actuators have been manufactured with a long service life in mind, typically 70,000 to 100,000 life cycles.



BLA Code	Thread BSP	Volts	Max Torque Nm	Operating time in Sec	Max Power Watts	Max Pressure Mpa
136912	3/4"	12	2	5-7	4	1.6
136913	3/4"	24	2	5-7	4	1.6
136914	1"	12	2	5-7	4	1.6
136915	1"	24	2	5-7	4	1.6
136918	1 1/2"	12	20	10-12	40	2.5

## Ball Valves - PVC

Totally non-corrosive PVC construction with internal BSP thread. 'T' grip handle. One piece injection moulded housing. Alkali and acid resistant. Every valve is factory pressure tested. ISO PSI working pressure.



BLA Code	Thread BSP	Length mm	Width mm	Height mm
136690	1/2"	80	32	65
136692	3/4"	92	39	76
136694	1"	98	48	88
136696	1 1/4"	113	58	102
136698	1 1/2"	131	68	113

## Ball Valves - Bronze

Bronze ball valves. Stainless steel handle. BSP thread for direct connection to through hull fitting.



BLA Code	Thread BSP	Length mm	Width mm	Height mm	Handle Radius mm
137004	1/2"	53	29	60	80
137006	3/4"	60	37	73	100
137008	1"	74	47	90	125
137010	1 1/4"	82	57	96	125
137012	1 1/2"	92	66	112	160
137014	2"	105	84	130	160

## Three Way Ball Valves - Chrome Plated Brass

Chrome plated brass. Three way ball valves provide two different flow directions and is perfect for control of separate fuel tanks. Nickel plated handle. BSP threaded ports.



BLA Code	Thread BSP	Length mm	Width mm	Height mm	Handle Radius mm
137072	3/8"	52	28	68	95
137074	1/2"	64	35	76	95

## Ball Valves - Chrome Plated Brass

Chrome plated brass ball valve with stainless steel handle, ideal for fuel line installations. BSP threaded ports.



BLA Code	Thread BSP	Length mm	Width mm	Height mm	Handle Radius mm
137050	1/4"	44	24	50	85
137052	3/8"	44	24	50	85
137054	1/2"	50	30	60	85



## Marine Town® Ball Valves

### - Stainless Steel

Cast 316 grade housing. Stainless steel ball, stem, handle, nut and spring washer. Two piece, full bore design with teflon seals for smooth operation. Suitable for survey. Slide gate on handle, locks in fully open or fully closed position.



BLA Code	Thread BSP	Length mm	Width mm	Height mm	Handle Radius mm
<b>136900</b>	1/2"	62	32	70	105
<b>136902</b>	3/4"	74	42	85	130
<b>136904</b>	1"	86	50	105	145
<b>136906</b>	1 1/4"	90	64	110	155
<b>136908</b>	1 1/2"	120	74	130	190

### Skin Fittings - Stainless Steel

Cast 316 grade stainless steel construction. Highly polished mount flange. Internal lugs to hold fitting during installation. Fully threaded for direct connection to ball valve. Suitable for survey.



BLA Code	Threaded BSP	Overall Length mm
<b>136940</b>	1/2"	64
<b>136942</b>	3/4"	74
<b>136944</b>	1"	78
<b>136946</b>	1 1/4"	87
<b>136948</b>	1 1/2"	87
<b>136950</b>	2"	96

### Hose Tails - Stainless Steel

Cast 316 grade stainless steel construction. Suitable for survey.



BLA Code	Threaded BSP	Hose Size mm	Hose Size in	Overall Length mm
<b>136920</b>	1/2"	13	1/2	51
<b>136922</b>	3/4"	19	3/4	51
<b>136924</b>	1"	25	1	64
<b>136926</b>	1 1/4"	32	1 1/4	70
<b>136928</b>	1 1/2"	38	1 1/2	78
<b>136930</b>	2"	50	2	87

## Marine Town® Scoop Skin

### Fittings - Stainless Steel

Combines a thru-hull skin fitting cast into a water scoop strainer. 316 grade solid cast construction. Earth/anode wire connection tab is included on 1/2" to 1 1/2" sizes. Suitable for survey.



BLA Code	Thread BSP	Thread Length mm	Width mm	Scoop Depth mm	Scoop Length mm
<b>136970</b>	1/2"	57	48	18	64
<b>136972</b>	3/4"	62	58	25	100
<b>136974</b>	1"	62	60	25	100
<b>136975</b>	1 1/4"	85	65	32	120
<b>136976</b>	1 1/2"	88	70	32	120
<b>136978</b>	2"	88	85	32	150

## Marine Town® Skin Fittings

### - Mega Flow Stainless Steel

Lightweight high strength construction ensures maximum water flow made from high density marine grade 316 stainless steel includes watertight gasket.



BLA Code	Hose Size mm	Hose Size in	Length mm
<b>138271</b>	19	3/4	75
<b>138273</b>	25	1	75
<b>138275</b>	28	1 1/8	75
<b>138279</b>	38	1 1/4	88
<b>138281</b>	50	1 1/2	88

### Skin Fittings - Bronze

Cast bronze through hull fittings. BSP thread. Suitable for survey.



138034

BLA Code	Thread BSP	Overall Length mm	Flange OD mm
138034	1/2"	68	48
138036	3/4"	74	52
138038	1"	78	54
138040	1 1/4"	86	70
138042	1 1/2"	91	72
138044	2"	108	89

### Scoop Filters - Cast Bronze

Mounts over existing through hull fitting to strain and scoop water.



138853

BLA Code	Overall Length mm	Width mm	Scoop Depth mm	Mount Screws mm
138853	125	84	20	3 c/s
138855	160	110	21	4 c/s
138857	210	140	25	5 c/s

### Scoop Skin Fittings - Bronze

Combines a through hull skin fitting cast into a water scoop and strainer. BSP thread.



138074

BLA Code	Thread BSP	Length mm	Width mm	Scoop Depth mm	Mount Screws mm
138074	1/2"	100	72	25	4 c/s
138076	3/4"	100	72	25	4 c/s

### Hose Tails - Bronze

Cast bronze tails to suit most hose sizes. BSP threaded, suitable for survey.



138004

BLA Code	Hose Size mm	Hose Size in	Thread BSP	Overall Length mm
138004	13	1/2	1/2"	48
138006	19	3/4	3/4"	53
138008	25	1	1"	68
138010	32	1 1/4	1 1/4"	78
138012	38	1 1/2	1 1/2"	83
138014	50	2	2"	88

### Marine Town® Skin Fittings

#### - Plastic

White moulded plastic through hull fittings. Suitable for most above waterline outlets.



138230

BLA Code	Hose Size mm	Hose Size in	Mount Hole mm	Overall Length mm
138230	15	5/8	24	75
138232	19	3/4	27	83
138234	25	1	34	94
138235	28	1 1/8	34	84
138236	32	1 1/4	42	98
138238	38	1 1/2	48	103



Marine Town

### Elbow Tails - Bronze

90° cast bronze elbow with a BSP thread one end and a barbed hose tail on the other end.



138066

BLA Code	Thread BSP	Hose Size mm	Hose Size in
138060	3/4"	19	3/4
138062	1"	25	1
138064	1 1/4"	32	1 1/4
138066	1 1/2"	38	1 1/2
138068	2"	50	2

**Skin Fittings - Acetal**

White acetal through hull fittings.  
Suitable for most above  
waterline outlets.



138240

BLA Code	Hose Size		Mount Hole	Overall Length
	mm	in	mm	mm
138240	13	1/2	21	90
138241	16	5/8	22	90
138242	19	3/4	26	105
138244	25	1	32	105
138246	32	1 1/4	41	108
138248	38	1 1/2	47	108

**Perko® Skin Fittings - Plastic**

White moulded plastic through hull fittings.  
Broad flange provides large sealant area.  
Suitable for most above waterline  
outlets.



401670

BLA Code	Hose Size		Flange Overall Dia.	Hull Thickness
	mm	in	mm	mm
401670	13	1/2	38	32
401672	16	5/8	39	32
401671	19	3/4	47	37
401673	25	1	57	38
401674	28	1 1/8	57	38
401677	38	1 1/2	76	38

**Hose Tails - Acetal**

Top quality white acetal hose tails. BSP thread.



138304

BLA Code	Hose Size		Thread	Overall Length
	mm	in	BSP	mm
138304	13	1/2	1/2"	68
138306	19	3/4	3/4"	81
138308	25	1	1"	81
138310	32	1 1/4	1 1/4"	81
138312	38	1 1/2	1 1/2"	81

**Marine Town® Skin Fittings****- Stalon**

Nylon and stainless steel combined. Glass reinforced nylon with a 316 grade stainless steel stamped face. Combining the strength and lightweight of a reinforced nylon with the aesthetics of polished stainless steel. Suitable for above waterline outlets.



138263

BLA Code	Tail	Hose Size	Overall Length	Thread Dia.	Flange Dia.	Hull Thickness
		mm	mm	mm	mm	mm
138249	Straight	13	76	21	35	36
138250	Straight	16	81	34	48	28
138251	Straight	19	86	34	48	28
138253	Straight	25	86	34	48	28
138254	Straight	28	86	34	48	28
138256	Straight	32	104	41	60	33
138258	Straight	38	104	41	60	33
138260	Straight	50	134	57	82	46
138263	90°	19	88	34	48	28
138265	90°	25	95	34	50	28
138266	90°	28	115	41	60	28
138268	90°	38	119	41	60	28

**'L' Head Skin Fittings**

Manufactured from U.V. stabilised, white acetal. Features 'L' shaped head for lowest possible drainage point. Ideal for cockpit and livewell drains.



138294

BLA Code	Hose Size		Mount Hole	Overall Length	Max. Hull Thickness
	mm	in	mm	mm	mm
138290	19	3/4	26	84	34
138292	25	1	41	112	37
138294	38	1 1/2	47	137	60

## Marine Town® Cockpit Scupper

Cast 316 grade stainless steel housing. Removable strainer with a rubber check ball to prevent back flow. Outlet is angled at 45°. Screw removal key included.



BLA Code	Hose Size mm in	Flange O.D. mm	Grate O.D. mm	Intrusion mm	Cut Out mm	Mount Screws mm
138817	38 1½	92	58	120	60	4 c/s

## Drain Cover - Stainless Steel

Polished stainless cover for floor drains and vents.



BLA Code	Diameter mm	Mount Screws mm
138822	83	4 r/h

## Marine Town® Cockpit Scupper

316 Grade stainless steel hose pipe with removable strainer for easy cleaning. Low profile easy clean removable strainer features large hole size to maximise water flow while covering mounting screws for clean look. Outlet is angled at 90°.

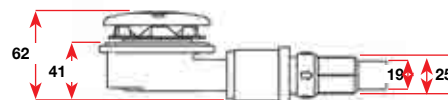


BLA Code	Hose Size mm in	O.D. mm	Intrusion mm	Cut Out mm	Mount Screws mm
138820	38 1½	82	76	50	5 r/h

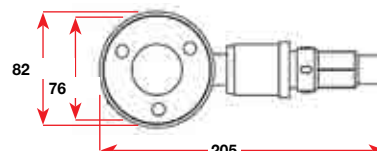
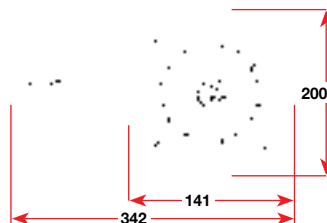
## Whale® Shower Wastes



The Whale® range of shower wastes (also known as Gulleys) are available in two sizes to suit 19mm hose in both IC and non IC versions. Features include modern compact design, easily removed cover for cleaning and simplistic mounting. IC models are pre-wired with 4m of cable for direct connection to Gulper IC and are supplied with hose tail and non-return valve as shown in the line drawings below.



BLA Code	Size	IC
134370	Small	No
134382	Small	Yes
134384	Large	Yes





## Through Transom Scupper

Designed for installation in transom of boats with self-draining cockpits. The rubber flapper opens to dump water out and closes to prevent backwash from entering the cockpit. Tough acetal construction. Above waterline installation only.



BLA Code	Hose Size mm in	Max. Thickness mm	Overall Length mm	Scupper Dia. mm	Mount Hole mm
<b>138812</b>	38 1½	78	153	75	47

## Scupper Valve

Designed as a water exit for boats with self-draining cockpits. Scupper mounts over flush transom drains above the waterline. The rubber flapper opens to dump water out and closes to prevent backwash. Tough acetal mount flange.



BLA Code	Diameter OD mm	ID mm	Mount Screws mm
<b>138814</b>	70	38	4 c/s

## Cockpit Drain with Screen

Drain design features a short stem and narrow flange for installing through cockpit floors. Removable screen to prevent hose clogging. Narrow flange allows recessed installation for complete draining. Durable polypropylene construction.



BLA Code	Overall Length mm	Flange Dia. mm	Hose Size mm	Mount Hole mm
<b>138816</b>	105	55	38	48

## Overflow Drain with Strainer

These overflow drains for baitwells incorporate a strainer that stands off the flange 6mm to prevent live bait going out the overflow or clogging the drain. White U.V. stabilised injection moulded plastic with stainless steel screws.



BLA Code	Mount	Max. Hull Thickness mm	Overall Length mm	Hose Size mm	Mount Hole mm
<b>131779</b>	Straight	28	101	38	48
<b>131780</b>	90°	28	105	38	48

## Perko® Water Strainers - Bronze



Perko water strainers are designed for easy mounting and cleaning. They have cast bronze top and bottom housings and a drain plug in the base for easy sediment removal and draining. 304 grade stainless steel strainer.



BLA Code	Port NPT	Height mm	Width mm	Depth mm
<b>401642</b>	¾"	230	115	115
<b>401644</b>	1"	255	138	138
<b>401648</b>	1½"	335	175	182

Bronze NPT straight tails to suit above:

BLA Code	Thread NPT	Hose Size mm	Length mm
<b>138018</b>	¾"	19	45
<b>138020</b>	1"	25	45
<b>138024</b>	1½"	38	58



## Water Strainers

Utility water filter. ABS plastic housing. Clear Marelon cover. Nylon filter element. Easily dismantled for cleaning.



BLA Code	Capacity L/m	Port Thread BSP	Dia. mm	Height mm
<b>138864</b>	150	¾"	142	120
<b>138866</b>	300	1½"	142	180

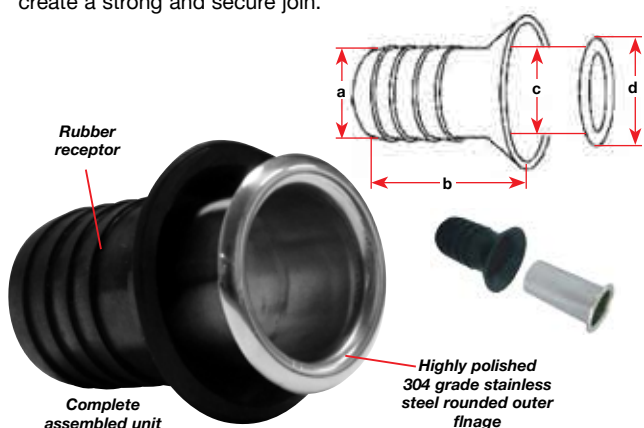
## Marine Town® Mini Through Hull Outlets



A simple, neat and practical solution to overboard drainage. The range of mini through hull outlets are designed to be used for a wide variety of overboard drainage solutions. These include cup holders, cleats, rod holders, hatch guttering, deck drainage, bait tank and ice box drainage.

The through hull outlet tube with rounded exterior flange is manufactured from highly polished 304 grade stamped stainless steel to provide excellent corrosion resistance while presenting a high quality, attractive exterior finish.

The barbed internal rear rubber receptor allows for simple, secure and quick fit up. For assembly the stainless steel outlet tube simply pushes firmly into the receptor. Drainage hose from the item is then attached and hose clamped into place to create a strong and secure join.



BLA Code	a Hose Size mm	b Intrusion mm	c Thru Hull Dia. mm	d External Dia. mm
138220	16	30	13	19
138222	19	35	16	22
138224	25	35	22	29

## Tails - Brass

Brass hose tails suitable for use with fuel valves and fuel lines. Thread one end and barbed hose tail connection on the other end.

BLA Code	Thread	Hose Size mm	Overall Length mm
138130	1/4" NPT	6	40
138132	1/8" BSP	8	34
138134	1/4" BSP	8	40
138136	1/4" BSP	6	40
138137	1/4" BSP	10	42
138138	3/8" BSP	6	40
138140	3/8" BSP	8	40
138142	3/8" BSP	10	43
138148	3/8" NPT	10	43
S18-8109	3/8" NPT	8	44



## Through Bulkhead Connector

Installed where hoses need to pass through bulkheads, even watertight bulkheads. Nylon construction suitable for potable water, saltwater or bilge water.



BLA Code	Hose Size mm	Bulkhead Max. Thick. mm	Length mm	Flange OD mm
138802	19	26	128	45

## Impact Drain

Moulded in black or white high impact U.V. resistant plastic. Features low profile flush head, raised ribs for maximum grip and large bore for optimal drainage. Easy installation, simply drill hole and tap into place.

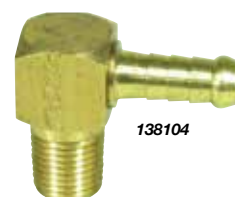


BLA Code	Colour	Flange OD mm	Length mm	Hose Size mm	Mount Hole mm
138164	Black	26	39	16	17
138166	White	26	39	16	17
138172	Black	39	44	25	26
138174	White	39	44	25	26
138182	White	44	51	28	32

## Elbow Tails - Brass

90° brass elbow with a BSP thread one end and a barbed hose tail connection on the other end.

BLA Code	Thread BSP	Hose Size mm
138102	1/4"	6
138104	1/4"	8
138106	1/4"	10
138108	3/8"	10
138114	1/2"	19



## Well Drains - Nylon

Serrated press fit installation. Use of sealant recommended. Two piece injection moulded nylon construction.

BLA Code	Mount Hole mm	Outside Dia. mm	Overall Length mm
138206	25	30	14
138208	22	32	57
138210	22	32	83



## Marine Town® Covered Drains



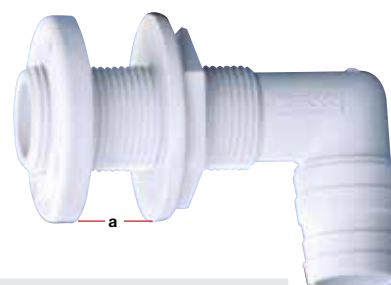
These covered drains combine smart aesthetics with easy single hole installation for anchor wells, motor wells and similar. Rounded no catch, cast and highly polished 316 grade stainless steel head coupled with glass reinforced nylon stem.



BLA Code	Hose Size mm	Cover mm	Mount Hole mm	Length mm	Max. Hull Thickness mm
138212	—	47 x 40	25	76	50
138214	19	49 x 40	25	114	50

## 90° Through Hull Tails

90° through hulls or bulkhead tails are ideal for tight spots where hose is difficult to route without kinking. Durable polypropylene construction. Suitable for potable water, saltwater or bilge water.



BLA Code	Hose Size mm	a Max. mm	Flange Dia. mm	Mount Holes mm	Length mm
138804	19	22	38	22	64
138808	28 & 30	47	61	31	111

## Hose Tail - Poly

Barbed poly hose tail that is 19mm x 3/4 BSPF.

BLA Code
138393



## Hose Tails

BSP external thread to barbed hose tail, for connecting flexible hose to valves, etc. Made from polypropylene.

BLA Code	Thread BSP	Hose Size	
		mm	in
138324	1/2"	13	1/2
138325	3/4"	19	3/4
138326	1"	25	1
138327	1 1/4"	32	1 1/4
138328	1 1/2"	38	1 1/2
138329	2"	50	2



## Elbow Hose Tails

BSP external thread to barbed hose connection - 90° bend. Made from polypropylene.

BLA Code	Thread BSP	Hose Size	
		mm	in
138364	1/2"	13	1/2
138365	3/4"	19	3/4
138366	1"	25	1
138367	1 1/4"	32	1 1/4
138368	1 1/2"	38	1 1/2
138369	2"	50	2



## 'T' Hose Joiners

Three way 'T' shaped hose connection, with barbed hose tails. Made from polypropylene.

BLA Code	Hose Size	
	mm	in
138404	13	1/2
138405	19	3/4
138406	25	1
138407	32	1 1/4
138408	38	1 1/2
138409	50	2



## Reducing Hose Joiners

Straight hose joiner for in-line connection of dissimilar hose sizes. Different size barbed hose fittings at each end. Made from polypropylene.

BLA Code	mm	Hose Size		mm	in
		mm	in		
138464	13	1/2	to	19	3/4
138465	13	1/2	to	25	1
138466	13	1/2	to	32	1 1/4
138467	13	1/2	to	38	1 1/2
138468	19	3/4	to	25	1
138469	19	3/4	to	32	1 1/4
138470	19	3/4	to	38	1 1/2
138471	25	1	to	32	1 1/4
138472	25	1	to	38	1 1/2
138473	32	1 1/4	to	38	1 1/2
138474	38	1 1/2	to	50	2



138464

## Reducer Hose Tails

BSP external thread to barbed hose tail. Different thread and hose sizes to adapt different diameter plumbing.

BLA Code	Thread BSP	Hose Size	
		mm	in
138332	3/4"	13	1/2
138333	3/4"	25	1
138336	1"	19	3/4
138337	1"	32	1 1/4
138339	1 1/4"	25	1
138341	1 1/2"	25	1
138357	3/4"	19	3/4



## 'T' Hose Tails

BSP external thread with barbed hose tails. Made from polypropylene.

BLA Code	Thread BSP	Hose Size	
		mm	in
138384	1/2"	13	1/2
138385	3/4"	19	3/4
138386	1"	25	1
138387	1 1/4"	32	1 1/4
138388	1 1/2"	38	1 1/2
138389	2"	50	2



## Elbow Hose Joiners

90° elbow joiner with a barbed hose fitting at each end. Made from polypropylene.

BLA Code	Hose Size	
	mm	in
138424	13	1/2
138425	19	3/4
138426	25	1
138427	32	1 1/4
138428	38	1 1/2
138429	50	2



## Hose Joiners

Straight hose joiner with a barbed hose fitting at each end. Made from polypropylene.

BLA Code	Hose Size	
	mm	in
138444	13	1/2
138445	19	3/4
138446	25	1
138447	32	1 1/4
138448	38	1 1/2
138449	50	2



## Thru Deck Hose Fitting

Black polypropylene fitting designed for installation through deck or bulkhead. 19mm hose tail on inside of the flange fitting and a 3/4" NPT U.S.A. external thread on the outside. External access adjustable flow valve and sealing cap.



BLA Code	Protrusion	Intrusion	Flange Dia.	Mount Holes
	mm	mm	mm	mm
138800	64	36	68	4 c/s



## Reducing Bushes

BSP thread internal and external. Made from polypropylene.

BLA Code	External Thread BSP	Internal Thread BSP
138480	3/4"	1/2"
138482	1"	3/4"
138484	1 1/4"	1"
138486	1 1/2"	1 1/4"
138487	1 1/2"	1"
138488	1 1/2"	3/4"
138489	1 1/2"	1/2"



## Couplings

Internal BSP thread joiner. Made from polypropylene.

BLA Code	Thread BSP
138514	1/2"
138515	3/4"
138516	1"
138517	1 1/4"
138518	1 1/2"



## End Plugs

External BSP thread end plug. Made from polypropylene.

BLA Code	Thread BSP
138534	1/2"
138535	3/4"
138536	1"
138537	1 1/4"
138538	1 1/2"



## Heavy Duty Pipe Clips

For mounting PVC and semi-rigid plumbing. Made from polypropylene. Sizes marked on the clips correspond with the inside diameter of polypipe.

BLA Code	Pipe Size mm	Pipe Size in
138574	13	1/2
138575	19	3/4
138576	25	1
138577	32	1 1/4
138578	38	1 1/2
138579	50	2



## Tube Clips

For mounting flexible or rigid tube. After being fixed with screws (not included), the unique design enables these clips to accept a wide range of tube diameters. Made from nylon. Sold as a card of 12.



BLA Code	Pipe Size mm	Pipe Size in
193824	25-38	1-1 1/2
193826	45-60	1 3/4-2 1/4

## Hex Nipples

External BSP thread joiner. Made from polypropylene.

BLA Code	Thread BSP
138494	1/2"
138495	3/4"
138496	1"
138497	1 1/4"
138498	1 1/2"
138501	1 3/4"



## Elbow Coupling

BSP internal thread to BSP internal thread joiner. 90° bend. Made from polypropylene.

BLA Code	Thread BSP
138522	1/2"
138524	3/4"
138526	1"
138528	1 1/4"
138530	1 1/2"



## End Caps

Internal BSP thread end cap. Made from polypropylene.

BLA Code	Thread BSP
138554	1/2"
138555	3/4"
138556	1"
138557	1 1/4"
138558	1 1/2"



## Manifolds

Designed for installation in-line in 38mm (1 1/2") flexible pipe, this fitting enables multiple drainage from up to three services to one through hull skin fitting, saving on installation costs and labour. Made from ST801.

BLA Code	Main Line mm	Main Line in	Take Offs mm	Take Offs in
138594	38	1 1/2	19	3/4
138596	38	1 1/2	25	1



## Camlock Pump Out Adaptors

Screws into deck fillers to allow onshore pump out facilities to take suction on built in sillage tanks. The camlock fitting of the pump out station couples over this fitting. The camlock is referred to as Type 40.



BLA Code	Material	Suits Deck Filler	Thread BSP
139290	Poly	192315	1 1/2"
139292	Bronze	192315	1 1/2"
		192311 & 192335	1 1/4"



# SPX AquaT™ Marine Toilets

Available in a wide variety of versions the AquaT™ marine toilet has been designed to meet virtually every conceivable lavatory installation situation onboard. Priced competitively, the fine finish and well thought-through design of these toilets is remarkable. Made from white vitreous porcelain, and with corrosion resistant parts throughout, the AquaT™ marine toilet is quiet, robust and easy to clean.

Most models can be ordered with standard, bevelled or low profiles in order to fit almost any hull and bulkhead configuration and all are available in either compact or comfort versions so you can outfit your marine lavatory with the perfect-sized toilet, no matter what the layout.

The standard electric model is equipped with a combined pump unit for disposal and flushing. It is easy to install and an economical choice of electrical toilet.

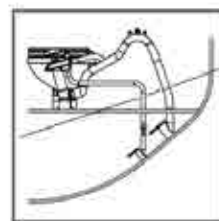
The silent and premium electric models are supplied with well-proven Aqua Jet diaphragm pumps in either 12V or 24V versions, and the manual version incorporates an ergonomically designed, hand-powered piston pump that can be mounted for either left-hand or right-hand use.

It is probably fair to think of most toilets as commonplace products, but look at the features and you are sure to see that the AquaT™ is far from ordinary. Quiet, hygienic and reliable, the AquaT™ marine toilet is perfect for almost any marine toilet room.

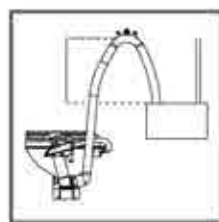
**SPXFLOW**  
Johnson Pump®



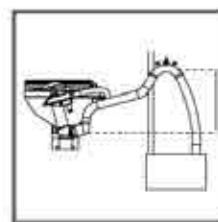
Toilet mounted below the waterline and discharging overboard.



Toilet mounted above the waterline and discharging overboard.



Toilet waste discharging into holding tank, discharging elbow below top of the holding tank at any time.



Toilet waste discharging into holding tank, discharging elbow always above top of the holding tank.

*N.B. If installing SPX electric toilets below or near water line fit vented loops to inlet and outlet plumbing, refer page 298.*

## SPX AquaT™ Manual Toilets

SPX manual toilets are available in round or oval basin.

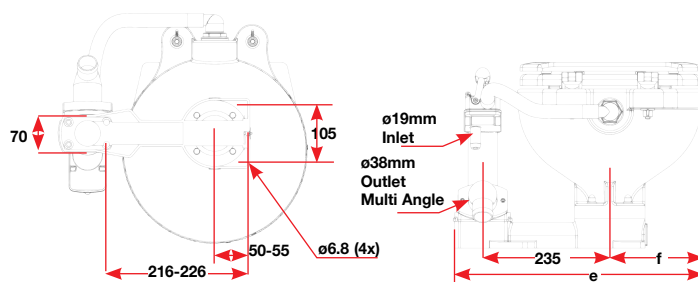
**SPXFLOW**  
Johnson Pump®



139140



139142

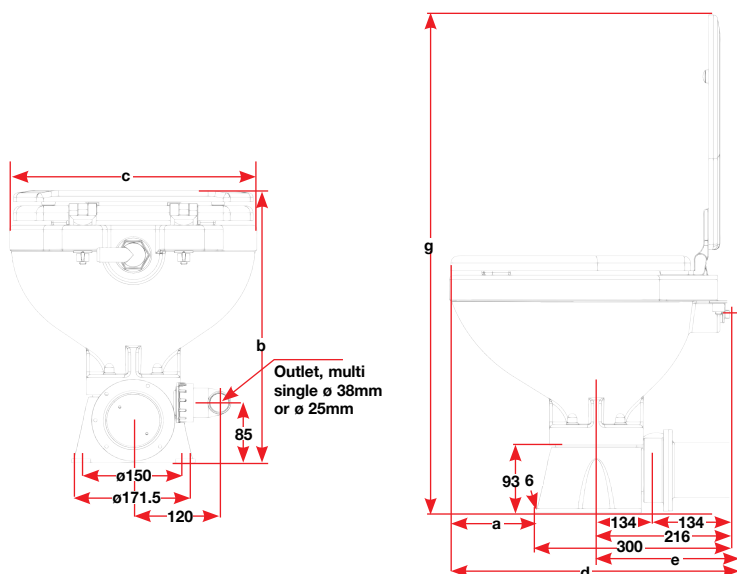


BLA Code	Description	Net Weight kg	a mm	b mm	c mm	d mm	e mm	f mm
139140	Compact Round	9.6	345	650	215	425	450	170
139142	Comfort Oval	11	340	705	275	490	470	296

## SPX AquaT™ Silent Electric Toilets Kits

SPX electric toilets are available in round or oval basin, 12 volt or 24 volt. Kit includes toilet, pump and control panel.

**SPXFLOW**  
Johnson Pump®



Pump  
Included



Control Panel  
Included

BLA Code	Description	Volts	Net Weight kg	a mm	b mm	c mm	d mm	e mm	f mm	g mm
139144	Compact	12	9.6	110	395	335	435	215	290	705
139146	Compact	24	9.6	110	395	335	435	215	290	705
139148	Comfort	12	11	110	385	365	490	275	280	760
139150	Comfort	24	11	110	385	365	490	275	280	760

### Spare Parts:

- 133306 Replacement pump 12V
- 133308 Replacement pump 24V
- 139064 Control Panel



Photo by Sam Frysteen

# TMC Electric Marine Toilets



The TMC range of marine electric toilets offer a wide variety of styles and sizes to suit the requirement of virtually any boat.

## Features:

- Top quality vitreous china bowl
- Self macerating combined, water in, waste out pump
- Convenient push button operation
- Supplied with switching
- Supplied with 25mm to 38mm outlet adaptor if retro-fitting in place of a manual toilet
- Suitable for installation with Autosan

## TMC Luxury Electric Toilets

A contemporary styled large bowl toilet with fully enclosed motor and plumbing connections, for smart aesthetics and easy cleaning.



BLA Code	Power		Width mm	Height mm	Front to Back mm	Inlet mm	Outlet mm	Mount Holes mm
	v	Amp						
<b>139098</b>	12	20	366	447	470	25	25	10 r/h
<b>139100</b>	24	10	366	447	470	25	25	10 r/h



139098 / 100  
Luxury Toilet

## TMC Deluxe Electric Toilets

This Euro styled toilet has large bowl sizing but in a lower profile (medium height). Fully enclosed motor and plumbing connections, protects motor and is easy to clean.



BLA Code	Power		Width mm	Height mm	Front to Back mm	Inlet mm	Outlet mm	Mount Holes mm
	v	Amp						
<b>139118</b>	12	20	366	388	490	25	25	10 r/h
<b>139120</b>	24	10	366	388	490	25	25	10 r/h



139118 & 20  
Deluxe Toilet

## TMC Standard Electrical Toilets

Available in small and large bowl sizing with protective motor cover.



BLA Code	Bowl Size	Power		Width mm	Height mm	Front to Back mm	Inlet mm	Outlet mm	Mount Holes mm
		v	Amp						
<b>139102</b>	Small	12	20	340	340	440	25	25	10 r/h
<b>139104</b>	Small	24	10	340	340	440	25	25	10 r/h
<b>139106</b>	Large	12	20	365	380	490	25	25	10 r/h
<b>139108</b>	Large	24	10	365	380	490	25	25	10 r/h



N.B. Discharge tail is elbow type

139102 / 04  
Standard Toilet  
Small Bowl



Included hardware

N.B. Discharge tail is elbow type

139106 / 08  
Standard Toilet  
Large Bowl

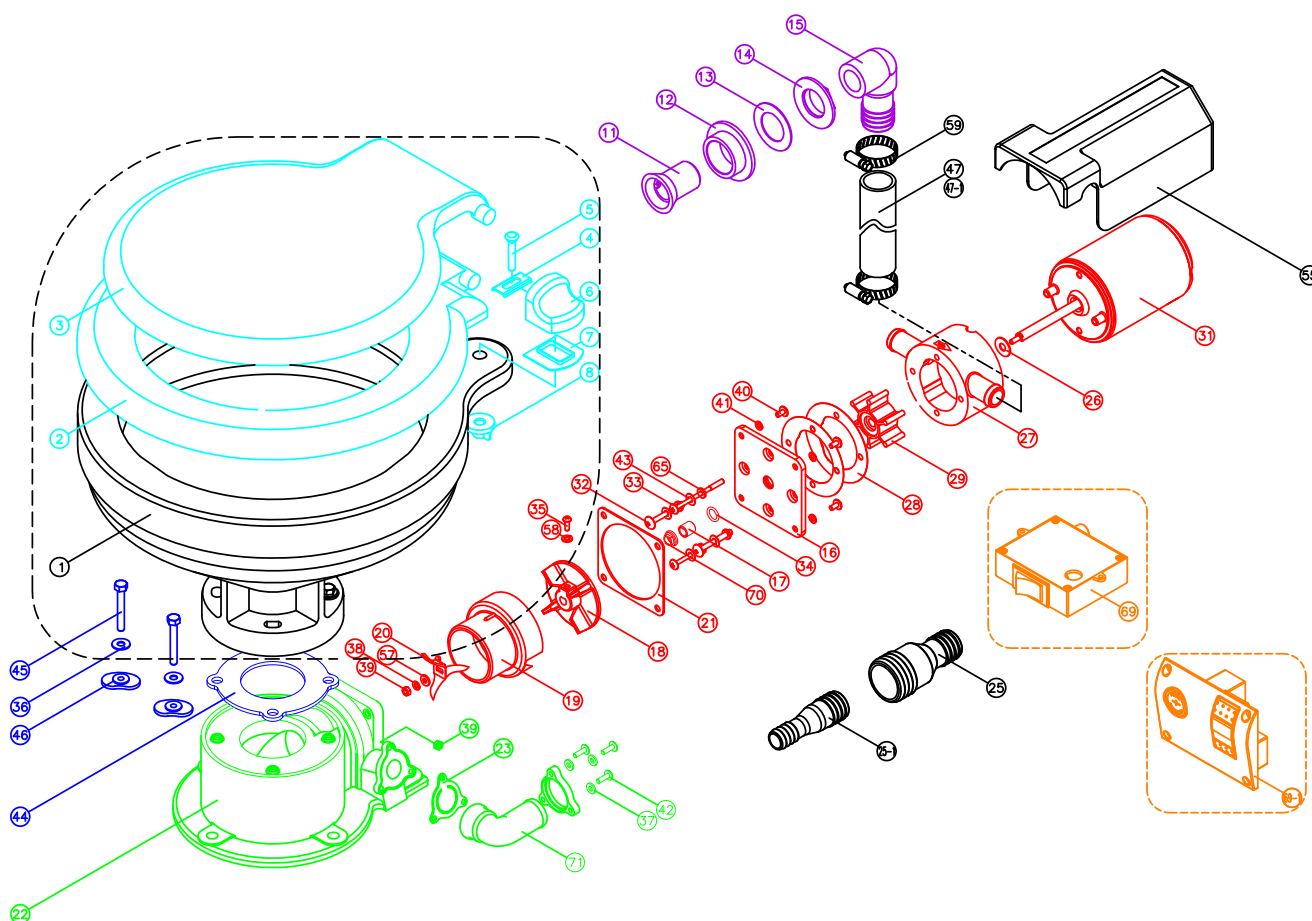
N.B. If installing TMC electric toilets below or near water line fit vented loops to inlet and outlet plumbing, refer page 298.

## TMC Toilet Spare Parts

BLA Code	Description
<b>139194</b>	Service kit all models (21, 26, 27, 28, 29, & 30)
<b>139202</b>	Replacement 12 volt motor (31)
<b>139204</b>	Replacement 24 volt motor (31)
<b>139205</b>	Replacement 12 volt motor and macerator t/s deluxe <b>139098, 139100, 139118 and 139120</b>
<b>139206</b>	Base to suit standard toilet (22, 39, 23, 24, 37 & 42)
<b>139207</b>	Base to suit luxury & deluxe toilet (22)
<b>139210</b>	Pipe joint kit T/S standard electric toilet (11, 12, 13, 14)
<b>139216</b>	Motor cover (55)
<b>139229</b>	Discharge elbow/tail kit (39, 23, 24, 37, 41, 71)
<b>139232</b>	Sleeve (17)
<b>139234</b>	Waste water impeller (18)
<b>139236</b>	Macerator blade set (20, 20-1)
<b>139238</b>	Flapper valve (23)
<b>139239</b>	Macerator housing (19)
<b>139240</b>	Shaft 'O' ring (34)
<b>139242</b>	Clean water pump impeller (29)
<b>139244</b>	Discharge elbow, luxury and deluxe (64)
<b>139256</b>	Small china bowl (1)
<b>139258</b>	Small lid only (3)
<b>139260</b>	Large seat only (2-1) Note replaces (2)
<b>139263</b>	Large lid, seat and hinges T/S <b>139118, 139120</b> (2, 3, 4, 5, 6, 7 & 8)
<b>139264</b>	Small lid, seat and hinges (2, 3, 4, 5, 6, 7 & 8)
<b>139212</b>	12V toilet conversion kit (converts manual TMC toilet into std electric toilet)
<b>139214</b>	24V toilet conversion kit (converts manual TMC toilet into std electric toilet)



N.B. 2001 and later toilets have 25mm (1") inlet, prior models have 20mm (¾") inlets.





# TMC Manual Marine Toilets



The TMC manual marine toilet range offers a variety of sizes and styles, based on a time proven reliable design.

## Features:

- Top quality vitreous china bowl
- Flush and dry bowl pump cycles to control bowl water level
- Discharge outlet swivels 360° to accommodate various discharge plumbing directions
- Pump and bowl can be reversed for left or right hand pumping as well as to suit installation requirements
- Stainless steel fastenings used throughout
- No power requirement, particularly important on cruising yachts where power consumption is critical



139110

## TMC Vertical Manual Pump Toilets

- Available in small or large bowl
- Small bowl style with vertical pump fits in compact spaces such as under 'V' berths



139112

BLA Code	Bowl Size	Width mm	Height mm	Depth mm	Inlet mm	Outlet mm	Mount Holes mm
139110	Small	470	320	430	19	38	8 r/h
139112	Large	500	350	490	19	38	8 r/h

## TMC Lever Manual Pump Toilet

A small bowl configuration manual toilet with easy action lever operated pump.

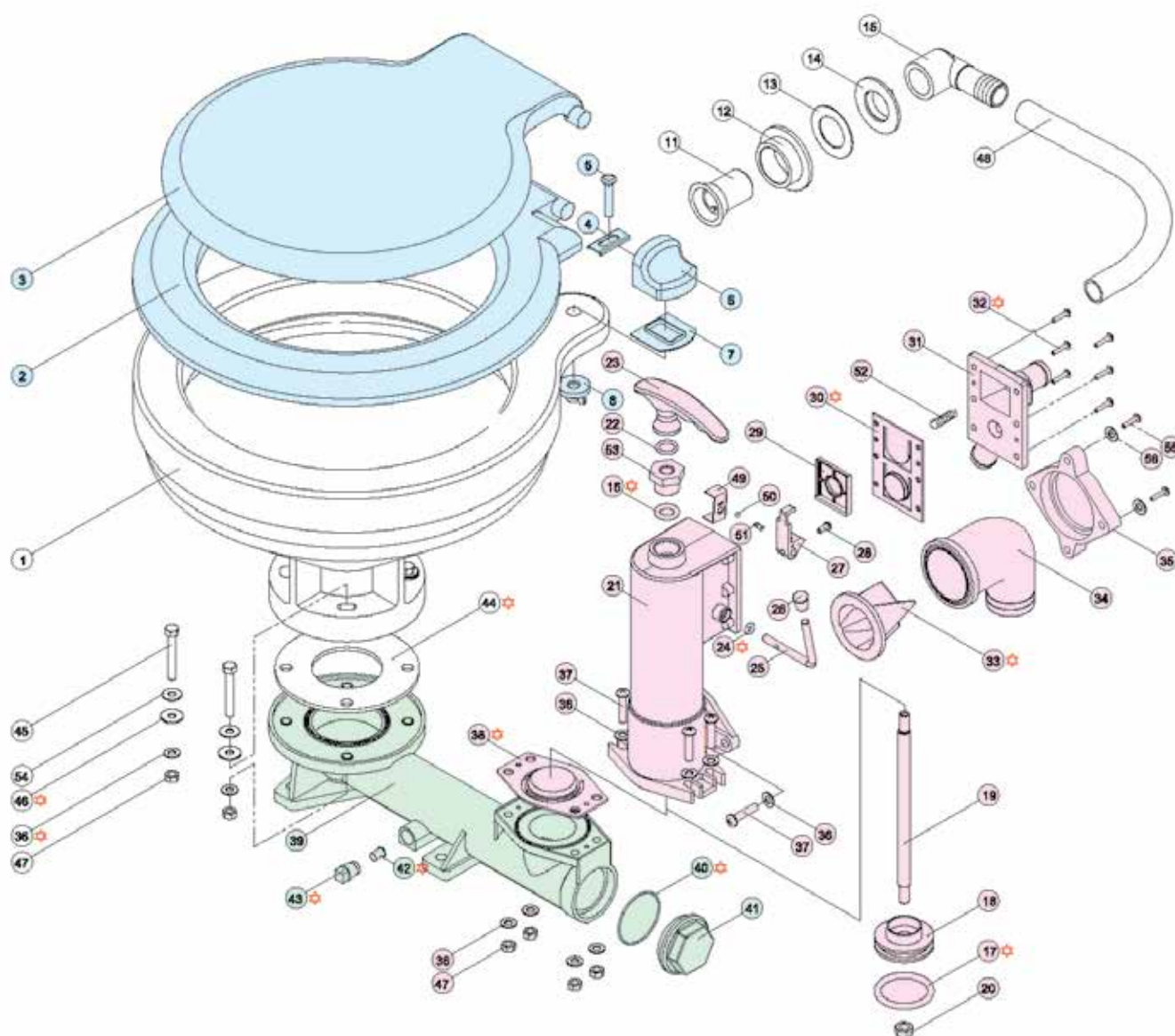


BLA Code	Bowl Size	Width mm	Height mm	Depth mm	Inlet mm	Outlet mm	Mount Holes mm
139114	Small	470	340	430	19	38	8 r/h

N.B. If installing TMC manual toilets below or near waterline, fit vented loops to inlet and outlet plumbing, refer page 298.

## TMC Toilet Spare Parts

BLA Code	Description
139250	Repair kit for TMC manual toilets (16, 17, 24, 30, 32, 33, 38, 40, 42, 43 & 44)
139252	Vertical action pump handle (23)
139254	Vertical action pump complete (16-49, 49-56)
139256	Small china bowl only (1)
139258	Small lid only (3)
139260	Small seat only (2)
139262	Plastic base (39)
139264	Small bowl toilet lid, seat and hinge set (2, 3, 4, 5, 6, 7 & 8)



## Springfield Portable Chemical Toilet



Portable chemical toilets are a practical option, particularly for trailerable boats, in regions where sewage is not permitted to be discharged overboard. The toilets consist of an upper fresh water holding tank and a sealed lower waste tank locked with a positive catch. The Springfield toilet is manufactured of a light, durable moulded high density polyethylene which facilitates easy cleaning. The freshwater tank utilises a simple but reliable bellows flush pump. Waste tank separates from rest of toilet to allow emptying into a domestic toilet or sewage collection point.



BLA Code	Depth mm	Width mm	Height mm	Flush Tank Capacity	Hold Tank Capacity
139400	410	365	314	12L	11L

## Tank Vent

A large capacity breather for water and waste tanks. Meets requirements of Australian Standards for venting black waste holding tanks. Installs through hull or deck, skin fitting style. Removable 90° tail accepts 38mm hose. Off white injection moulded plastic construction. Not suitable for use as a fuel breather.



BLA Code	Head L x W mm	Protrusion mm	Max. Deck Thickness mm
139080	76 x 67	30	30

## SSI Covered Toilet Roll Holder - White



This toilet roll holder fully encases the paper roll ensuring the paper is kept dry. Mounts on any flat vertical surface concealed mount fastenings. Moulded in smooth white ABS plastic.



BLA Code	Width mm	Height mm	Depth mm
139002	142	147	135

## SSI Recessed Toilet Paper Holder



- White

Flush appearance to match todays interiors. The design keeps paper dry and out of sight while still being conveniently at hand. Perfect for heads where space is limited. Moulded in smooth white ABS plastic.



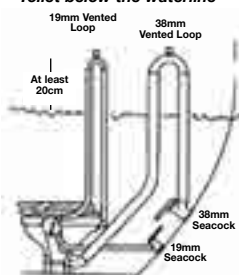
BLA Code	Cut Out mm	Width mm	Height mm	Depth mm
139004	150 x 150	190	185	132

## Vented Loops

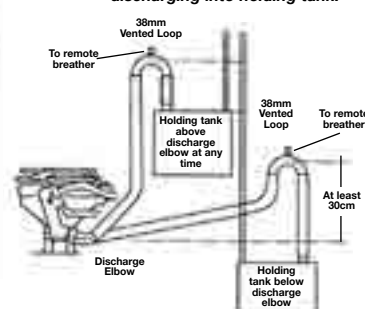
Installed in toilet systems where the toilet or holding tank is below waterline or near waterline, to prevent sea water from siphoning through the toilet system, potentially swamping the vessel. Inlet and outlet plumbing is looped well above waterline and the vented loop is installed at the top of the loop, preventing siphoning. When installing ensure the vented loop will remain above water line when boat is fully loaded and / or heeled.



**Toilet below the waterline**



**Toilet (above or below the waterline) discharging into holding tank.**



BLA Code	Hose Size mm	Hose Size in	Height mm	Width mm	Depth mm	Mount Holes mm
139090	19	3/4	75	96	25	6 r/h
139092	25	1 1/2	100	150	43	6 r/h
139096	38	1 1/2	130	200	55	6 r/h

## TMC Electric Toilet Flush Control



A simple one touch contoured control panel featuring built in micro control system allowing two flush options for TMC 12 and 24 volt electric toilets.

### Features:

- Half flush option provides a flush operating for five seconds with approximately two litre water delivery
- Full flush option provides a flush operating for ten seconds with approximately four litre water delivery
- Control panel is equipped with seals for splash proof protection
- For convenience a mountable spare fuse holder is provided with six spare fuses

For additional safety a maximum 40 amp built in relay circuit helps protect the electric toilet against high current surges caused by excessive impellor friction or sudden start up surge.



139062

BLA Code	Volt
139060	12
139062	24

## SPX Solenoid

Electric valve to be used with centralised freshwater systems, designed to allow domestic fresh water pressure systems to flush the toilet and eliminate any seawater odours. 2.4 amps in 12 volts, 1.2 amps in 24 volt. Closed when non powered.

BLA Code	Volts	Thread BSP	Construction	Max. Tested Pressure	Length mm	Width mm	Height mm
<b>139082</b>	12	1/2"	Bronze w/ S/S components	100PSI	75	55	100
<b>139084</b>	24	1/2"	Bronze w/ S/S components	100PSI	75	55	100



## SPX Macerator Pump

The TA3P10-19 macerator pump takes care of toilet waste. A rotary cutter shreds waste before it is pumped into or out from the holding tank. The pump should be connected as close as possible to the holding tank discharge outlet or the bowl discharge outlet.

*N.B. Use unbleached lavatory paper only.*

### Specifications:

- Motor: 12/24V DC (with built-in thermal protection)
- Body: Phenol Plastic (PF)
- Impeller: Nitrile
- Housing: Thermoplastic Polyester (PET)
- Shaft: Stainless Steel
- Seal: Lip Seal



BLA Code	Volts	Capacity at 0.2 bar	Inlet Connection	Outlet Connection	Length mm	Width mm	Height mm	Weight kg
<b>132214</b>	12	37 L/min – 10 GPM	1½" (dia 38 mm) hose or 1½" BSP	1" (25.4 mm) hose	230	108	82	1.9
<b>132216</b>	24	37 L/min – 10 GPM	1½" (dia 38 mm) hose or 1½" BSP	1" (25.4 mm) hose	230	108	82	1.9

## TMC Macerator Pumps

Self-priming toilet waste pump. Combines pre-macerator with impeller pump. Designed for in-line installation on holding tank pump out or to convert manual vacuum toilets to electric operation. Do not run dry.

### Capacity:

- 50 L/m open flow
- Lift 1.5 metres
- Head 5 metres
- Inlet 38mm barbed and 1½" BSP
- Outlet 25mm barbed



BLA Code	Power Volts	Amp	Length mm	Width mm	Height mm	Mount Holes mm
<b>132210</b>	12	12	283	120	98	5 r/h
<b>132212</b>	24	6	283	120	98	5 r/h

### Standard Inclusions:

**139242** Replacement impeller      **139236** Macerator blade set



## Whale® Gulper Toilet Pumps

Large capacity heavy duty black waste pump. The large inlet/outlet and free flow valve design allows the pumping of un-macerated toilet waste. Tails suit 38mm hose.

### Features:

- Brass gear drive
- Quiet operation
- Can be run dry
- Large single diaphragm
- Pumps a mixture of air and water
- Self-priming to 3 metres
- Rotatable inlet/outlet to suit installation

### Capacity:

- 18 L/m at open flow
- Lift 3 metres
- Head 3 metres
- Lift and head combined 3 metres

### Materials:

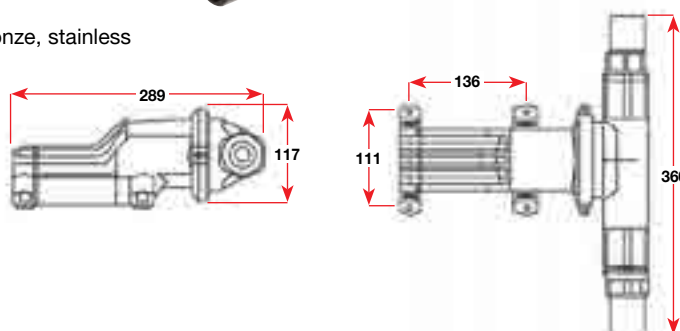
- Glass filled nylon, EPDM, nitrile rubber, hypalon, acetal, bronze, stainless steel, brass and aluminium



BLA Code	Power v	amp	Length mm	Width mm	Height mm
<b>132010</b>	12	5	287	360	117
<b>132012</b>	24	2.5	287	360	117

### Accessories:

**131332** Service Kit





## Waste Holding Tanks

Roto-moulded in 5mm minimum thickness polypropylene, suitable for grey or black waste. Nine plumbing connection ports all 1½" BSP threaded. The **132210** and **132212** macerator toilet pump (refer page 299) can be directly threaded into any of these connection ports, without any plumbing required. Tanks are supplied with all ports blank except the top deck pump out port. Simply cut out any required port with a 40mm hole saw and screw in 1½" BSP fitting. A range of reducers are available to convert the 1½" BSP port to smaller BSP diameters.

BLA Code	Litres	Length mm	Width mm	Height mm
<b>139338</b>	60	400	400	400
<b>139342</b>	120	800	400	400

### Accessories:

<b>138486</b>	1 ½" to 1¼" BSP reducer	<b>138488</b>	1 ½" to ¾" BSP reducer
<b>138487</b>	1 ½" to 1" BSP reducer	<b>138489</b>	1 ½" to ½" BSP reducer



## TMC Bronze Impeller Pump



Durable bronze housed rubber impeller pump for general purpose saltwater and freshwater applications, but not drinking water. Flexible rubber mounts absorb running sound and reduce vibration transmission. Inlet and outlet ports are both threaded ½" BSP inside and ¾" BSP outside. Self-priming but do not run dry.

### Specifications:

- 25 L/m open flow
- Lift 1.5 metres
- Head 4 metres



BLA Code	Power v	Amp	Length mm	Width mm	Height mm	Mount Screws mm
<b>132196</b>	12	8	170	130	98	5 r/h

### Spare Parts:

<b>139242</b>	Replacement impeller
---------------	----------------------

## TMC Electric Impeller Pumps



Economical rubber impeller pump with plastic pump body for general purpose saltwater and freshwater applications, but not drinking water. Supplied with in-line fuse holder. Rubber grommets inserted in the mount holes for isolation of motor vibration. Self-priming but do not run dry.

### Specifications:

- 25 L/m open flow
- Lift 1.5 metres
- Head 4 metres
- Inlet/outlet 25mm



BLA Code	Power v	Amp	Length mm	Width mm	Height mm	Mount Screws mm
<b>132202</b>	12	8	170	130	98	5 r/h
<b>132204</b>	24	4	170	130	98	5 r/h

## SPX Impeller Pumps - 15 L/min 4GPM

15L/m capacity. Fully equipped, self-priming multi-purpose pump operating on a simple and uncomplicated principle. Ideal for pumping water, oils and chemicals.

**SPXFLOW**  
Johnson Pump



132160

BLA Code	Model	Volts	Body	Impeller	Seal	Connection	Length mm	Width mm	Height mm	Weight kg
<b>132160</b>	F2910-19	12	PTMT	<b>132922</b>	Lip seal	½" BSP	172	117	78	1.6
<b>132162</b>	F2910-19	24	PTMT	<b>132922</b>	Lip seal	½" BSP	172	117	78	1.6

## SPX Impeller Pumps - 21 L/min

21L/m capacity. Perfect for bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, and similar.

**SPXFLOW**  
Johnson Pump



132168

BLA Code	Model	Volts	Body	Impeller	Seal	Connection	Length mm	Width mm	Height mm	Weight kg
<b>132168</b>	F3B-19	12	Bronze	<b>55-09-843S-9</b>	Lip seal	¾" BSP	170	113	82	2
<b>132170</b>	F3B-19	24	Bronze	<b>55-09-843S-9</b>	Lip seal	¾" BSP	170	113	82	2

### SPX Oil Change Impeller Pumps - 21 L/min

Reversible rubber impeller pump with integrated quick reversing switch. Designed to remove old oil from the engine/fill new oil back into the engine.

**SPXFLOW**  
Johnson Pump



132182

BLA Code	Model	Volts	Body	Impeller	Seal	Connection	Length mm	Width mm	Height mm	Weight kg
<b>132182</b>	F3B-19	12	Bronze	<b>55-09-843S-9</b>	Lip seal	3/8" BSP	170	113	115	2.1
<b>132183</b>	F3B-19	24	Bronze	<b>55-09-843S-9</b>	Lip seal	3/8" BSP	170	113	115	2.1

### SPX Ultra Ballast Impeller Pumps - 52 L/min

Designed to quickly fill or, when reversed, drain a ballast tank at a rate of more than 45 L/min (12 GPM). Capable of pumping fresh or seawater the pump's robust design can handle the rigors of continuous duty usage, is reversible and has a built-in thermal overload for added protection. Polarity reversing switch kit available as accessory. Care not to run dry for extended periods of time will increase the pump longevity and ensure reliable performance for many years.

**SPXFLOW**  
Johnson Pump



132176

BLA Code	Model	Volts	Body	Impeller	Seal	Connection	Length mm	Width mm	Height mm	Weight kg
<b>132176</b>	F4B-11	12	Bronze	<b>132986</b>	Lip seal	Hose 1" / 1/2" BSP	202	120	90	3
<b>132178</b>	F4B-11	24	Bronze	<b>132986</b>	Lip seal	Hose 1" / 1/2" BSP	202	120	90	3

#### Accessories:

**132158** Polarity Reversing Switch Kit

*N.B Only for water handling. No diesel.*

### SPX Polarity Reversing Switch Kit for Ultra Ballast Pump

12-24V switch to suit **132176/8** Ultra Ballast pumps.

**SPXFLOW**  
Johnson Pump



BLA Code	Volts
<b>132158</b>	12-24

### SPX Impeller Pumps - 35 L/min

Perfect for bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, and similar.

**SPXFLOW**  
Johnson Pump



132180

BLA Code	Model	Volts	Body	Impeller	Seal	Connection	Length mm	Width mm	Height mm	Weight kg
<b>132180</b>	F38B-19	12	Bronze	<b>132988</b>	Lip seal	Hose 1" / 1/2" BSP	180	120	90	3
<b>132181</b>	F38B-19	24	Bronze	<b>132988</b>	Lip seal	Hose 1" / 1/2" BSP	180	120	90	3

### SPX Impeller Pumps – 48 L/min

Perfect for bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, and similar.

**SPXFLOW**  
Johnson Pump®



BLA Code	Model	Volts	Body	Impeller	Seal	Connection	Length mm	Width mm	Height mm	Weight kg
132172	F4B-19	12	Bronze	132988	Lip seal	Hose 1" / ½" BSP	202	120	90	3
132174	F4B-19	24	Bronze	132988	Lip seal	Hose 1" / ½" BSP	202	120	90	3

### SPX Impeller Pumps - 55 L/min

For bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, and similar.

**SPXFLOW**  
Johnson Pump®



BLA Code	Model	Volts	Body	Impeller	Seal	Connection	Length mm	Width mm	Height mm	Weight kg
132164	F5B-19	24	Bronze	132906	Mechanical	¾" NPT	258	131	120	8
132166	F5B-19	12	Bronze	132906	Mechanical	¾" NPT	258	131	120	8

### SPX Heavy Duty Impeller Pumps

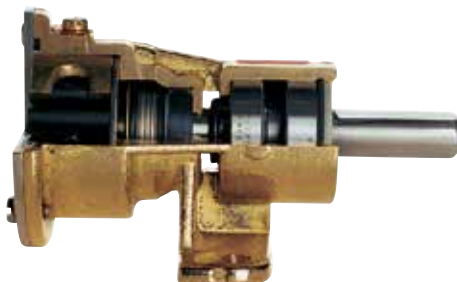
A range of multi-purpose bronze pumps. Compact design, raw water resistant pumps at an attractive price – with the renowned SPX's Johnson Pump marine brand quality. These pumps are designed for a number of applications on board.

**SPXFLOW**  
Johnson Pump®

With excellent self-priming capability, these pumps are ideal as cooling water pumps for marine engines, bilge pumps, deckwash pumps, freshwater pumps, fuel transfer pumps and other applications. Also ideally suited on shore to empty septic tanks, to flush clean and to fill water tanks. Available in sizes from ⅜" to 1½" (4 L/min to 279 L/min).

#### Specifications:

- Pump body: Bronze
- Shaft: Stainless steel. The shaft is mounted with permanently lubricated double ball bearings
- Seal: Mechanical seal
- Cam: Full or reduced
- Connection: BSP or NPTF



BLA Code	Model	Impeller	Connection	Length mm	Width mm	Height mm	Weight kg	Drive Shaft ø
132700	F4B-8	132964	⅜" BSP	111	80	50	0.8	⅜"
132702	F5B-8	55-09-1027B-1	¾" BSP	151	106	50	1.6	⅝"
132704	F7B-8	132912	1" BSP	170	120	50	1.9	⅝"
132706	F6B-9	132968	¾" BSP	124	106	46	1.5	⅝"
132708	F8B-8	132980	1 ½" BSP	217	160	65	5.9	1"

## SPX Heavy Duty Electro-Magnetic Clutch Pumps

With an electro-magnetic clutch you will have pumping power whenever needed, at a push of a button, without being at the pump. Combined with a vacuum switch (recommended for bilge pump application), the clutch will automatically disengage whenever the pump starts priming air, thereby preventing dry running and pump damage. Automatically controlled pumps are available in sizes from 1" to 2 1/2" (20 L/min to 625 L/min), with clutches in 12 or 24 volts. Wearing parts are easily replaceable and service kits are available for all standard models. Vacuum Switch as extra accessory. Clutch to be ordered separately. Contact BLA Sales on **1300 252 725** for pumps up to 2 1/2".

**SPXFLOW**  
Johnson Pump



BLA Code	Description	Impeller	Connection	Length mm	Width mm	Height mm	Weight kg
<b>132710</b>	F7B-5001	<b>55-09-1028B</b>	1" BSP	156	120	93	5.8
<b>132712</b>	F8B-5001	<b>132980</b>	1" / 1/2" BSP	225	160	124	9.9

## SPX Electro-Magnetic Clutch

Available in single or twin configuration with A or B style pulley.

BLA Code	Description
<b>132730</b>	Electro-magnetic clutch, 12 V Twin x A pulley
<b>132732</b>	Electro-magnetic clutch, 24 V Twin x A pulley
<b>132734</b>	Electro-magnetic clutch, 12 V Single x B pulley
<b>132736</b>	Electro-magnetic clutch, 24 V Single x B pulley



**SPXFLOW**  
Johnson Pump

## Circulation Pumps

SPX's CM-series are a line of compact magnetic driven centrifugal pumps which combine high flow rates with very low electric current consumption. Suitable for freshwater, ethylene glycol and saltwater circulation.

**SPXFLOW**  
Johnson Pump

## SPX Centrifugal Pumps

### Specifications:

- Pump body: PPA thermoplastic
- Impeller: PPS thermoplastic
- O-ring: EPDM
- Shaft: Stainless steel
- Magnet housing: PSU
- Motor: 12/24V DC enclosed (as per IP67) permanent magnet, ball bearing mounted motor, designed for continuous operation
- Dimensions: 177 mm (L) x 68 mm (W) x 85 mm (H)
- Weight: 0.6 kg
- Liquid: water/glycol mixture; max. 60% glycol, fresh and saltwater
- Liquid temp: Min -40°C Max +100°C
- Weight: 3.0 kg
- Hose connection: Ø 16 mm (5/8") or 20 mm (3/4") hose.

*N.B. CM30P7-1 with Ø 16 mm (5/8") available on request*

BLA Code	Model	Volts	Size	Capacity
<b>132760</b>	CM30	12	Ø 16mm (5/8")	20 L/min (5.2 GPM) at 0.1 bar
<b>132762</b>	CM30	24	Ø 16mm (5/8")	26 L/min (6.9 GPM) at 0.25 bar



**SPXFLOW**  
Johnson Pump

## SPX Centrifugal Pumps

### Specifications:

- System pressure: -0.3 to +3.0 bar; stationary max. 4.0 bar
- Liquid: water/glycol mixture; max. 60% glycol, fresh and saltwater
- Motor service life: More than 5,000 hours at nominal voltage 10,000 start/stops. Interchangeable motor
- Motor voltage: Nominal 13.6V DC for use between 10-16V, Nominal 27.2V DC for use between 20-32V
- Input power: Max. 125W
- Dry running: 30 minutes
- Dimensions: 244 mm (L) x 120 mm (W) x 150 mm (H)
- Ports: Ø 20 mm (3/4") & Ø 38 mm (1 1/2")
- Weight: 3.0 kg
- Body: PPA, glass-fibre reinforced
- Mounting: Separate universal bracket for flat surfaces

BLA Code	Model	Volts	Size	Capacity
<b>134764</b>	CM90	24	Ø 20mm (3/4")	50 L/min (17.2 GPM) at 0.25 bar
<b>136766</b>	CM90	12	Ø 38mm (3/4")	90 L/min (23.7 GPM) at 0.25 bar
<b>136768</b>	CM90	24	Ø 38mm (3/4")	90 L/min (23.7 GPM) at 0.25 bar



**SPXFLOW**  
Johnson Pump



## SPX Johnson Pump Impeller Kits

A worn or damaged impeller can cause system failure or engine breakdown. SPX's Johnson Pump brand impellers are developed and manufactured for maximum flow and long life. With a genuine spare impeller you can also be sure that you are getting the quality required by engine manufacturers and professionals.

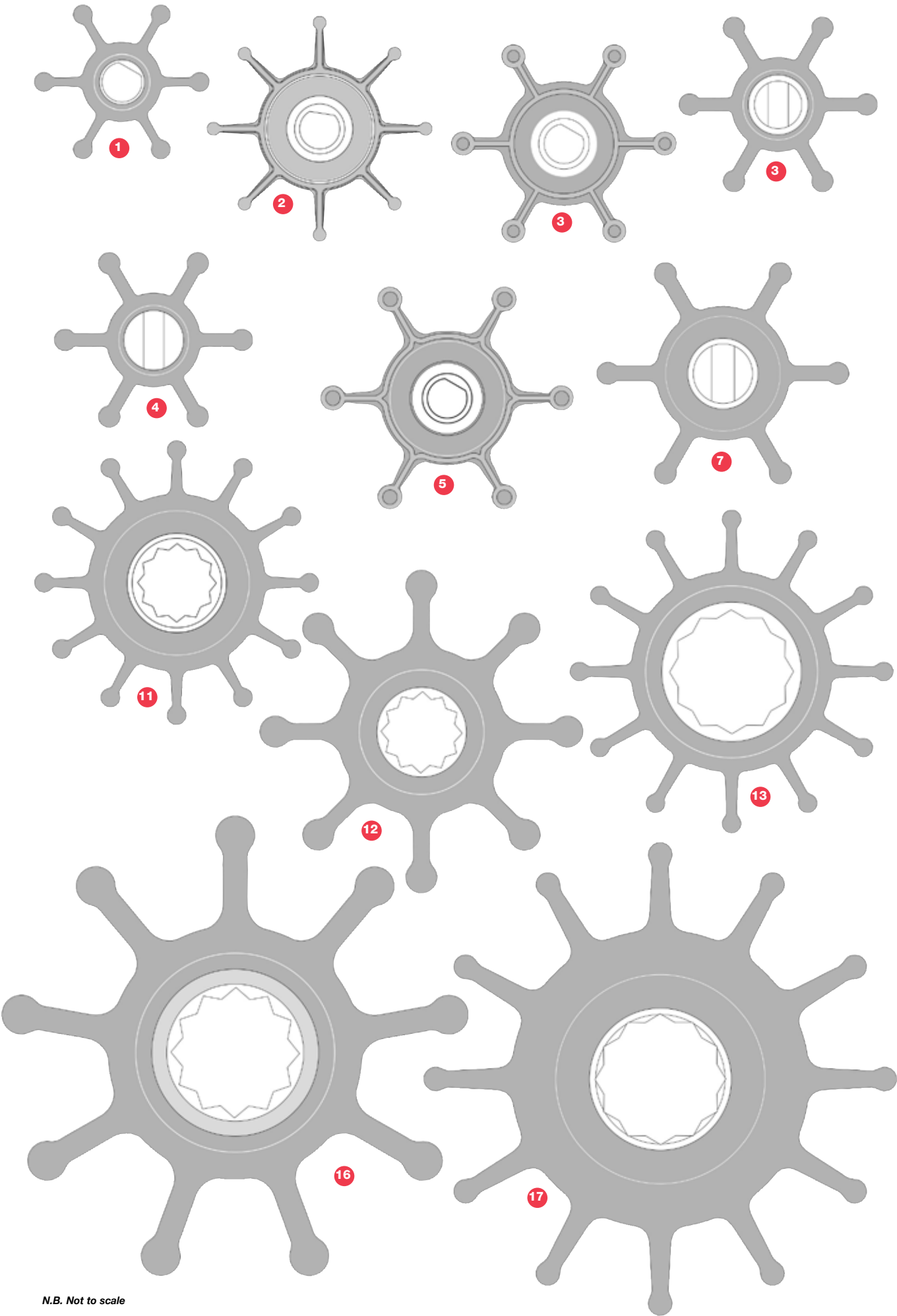
**SPXFLOW**  
Johnson Pump®

BLA Code	Description	SPX Code	Material*	Outer dia mm	Outer dia inch	Inner dia mm	Inner dia inch	Width mm	Width inch	Replaces Jabsco No Europe USA	Reference
132900	Impeller Johnson F4b Neo	09-1026B-1	MC97	50.8	2.00	12.7	0.50	22.0	0.87	673-0001	8
132902	Impeller Johnson F4b Nit	09-1026B-9	Nitrile	50.8	2.00	12.7	0.50	22.0	0.87	673-0003	8
132906	Impeller Johnson 09-1027B-9 Nit	09-1027B-9	Nitrile	57.1	2.25	Splines		31.5	1.24	1210-0003	10
132908	Impeller Johnson F5bt Neo	09-1027BT-1	MC97	57.1	2.25	Splines		31.5	1.24	1210-0001	Jabsco
132912	Impeller Johnson F7bt Neo	09-1028BT-1	MC97	65	2.56	Splines		50.2	1.98	17937-0001	12
132914	Impeller Johnson F70s Neo	09-1028S	Neoprene	65	2.56	Splines		50.2	1.98	17937-0001	Jabsco
132916	Impeller Johnson F8b Neo	09-1029B	Neoprene	95	3.74	Splines		63	2.48	836-0001 17935-0001	15
132918	Impeller Johnson F80s Neo	09-1029S	Neoprene	95	3.74	Splines		63	2.48	836-0001 17935-0001	Jabsco & Jabsco USA
132920	Impeller Johnson Macerator F3b/Ta3p10 Nit	09-1052S-9	Nitrile	45.2	1.78	8.0 / Flat		12.8	0.50		3
132922	Impeller Johnson F2p10 Nnit	09-1077B-9	Nitrile	35.2	1.29	8.0 / Flat		12.7	0.50		1
132954	Impeller Johnson 09-70B	09-70B	Neoprene	65	2.56	Splines		50.2	1.98	SP70 SPM70	Kashima
132924	Impeller Johnson 200A	09-200A	Neoprene	93	3.66	Splines		63	2.48	SP200 KP200	Kashima
132926	Impeller Johnson 220B	09-220B	Neoprene	94.5	3.72	Splines		63.4	2.50	SP210 KP220	Kashima
132928	Impeller Johnson 300B	09-300B	Neoprene	93	3.66	Splines		95.5	3.76	SP300	Kashima
132942	Impeller Johnson 500B	09-500B	Neoprene	127.78	5.03	Splines		101.64	4.00	SP500	Kashima
132932	Impeller Johnson Kit 1027B Solas	09-46608	Neoprene	57.1	2.25	Splines		31.5	1.24	Unique	Dry run OK
132934	Impeller Johnson Kit 1028B Solas	09-46609	Neoprene	65	2.56	Splines		50.2	1.98	Unique	Dry run OK
132956	Impeller Johnson F5b	09-801B	Neoprene	57.1	2.25	15.9 Key		31.5	1.24	4568-0001	9
132958	Impeller Johnson F9b	09-802B	Neoprene	95	3.74	Splines		88.5	3.48	6760-0001	16
132690	Impeller Johnson 806B F35b 9.5Mm I.d Neo	09-806B-1	MC97	40.0	1.58	9.5		19.0	0.75	4528-0001	Jabsco
132962	Impeller Johnson 808B F35b 12.0Mm I.d Neo	09-808B-1	MC97	40.0	1.58	12.0		19.0	0.75	22405-0001	5
132964	Impeller Johnson 09-810B F4b 12.0Mm I.dneo	09-810B-1	MC97	50.8	2.00	12.0		22.0	0.87	18653-001	7
132966	Impeller F4b-8	09-810B-9	Nitrile	50.8	2.00	12.0		22.0	0.87		7
132968	Impeller Johnson 09-812B F6b-9 Neo	09-812B-1	MC97	57.1	2.25	Splines		48.2	1.90	13554-0001	11
132970	Impeller Johnson 09-814B F9b Neo	09-814B	Neoprene	95	3.74	Splines		88.5	3.48	21676-0001 17936-0001	17
132980	Impeller Johnson 09-819B F8b 11 Vane Neo	09-819B	Neoprene	95	3.74	Splines		63	2.48	836-0001 17935-0001	14
132982	Impeller Johnson 09-820B F95b Neo	09-820B	Neoprene	95	3.74	Splines		130	5.12		18
132984	Impeller Johnson 09-821BT-1 Neo	09-821BT-1	MC97	65	2.56	Splines		80	3.15		13
132986	Impeller Johnson 09-824P-1 F4b-11 Neo	09-824P-1	Polyurethane	50.8	2.00	8.0 / Flat		22.0	0.87	6303-0007	6
132988	Impeller Johnson 09-824P F4b-19 Nit	09-824P-9	Nitrile	50.8	2.00	8.0 / Flat		22.0	0.87	6303-0003	6

### SPX Johnson Pump Impeller Replacement Kits

132944	Impeller Johnson Mc97 Key Driven	09-701B-1	MC97	62.3	2.45	31.8		1.25		18838-0001	A
132946	Impeller Johnson Mc97 Key Driven	09-702B-1	MC97	65.4	2.57	41.4		1.63		18948-0001	B
132948	Impeller Johnson Mc97 Flat Drive	09-703P-1	MC97	66.7	2.63	Key driven		31.8	1.25	18838-0001	Jabsco
132950	Impeller Johnson Mc97 Key Driven	09-704BT-1	MC97	84.1	3.31	73.4		2.89		18958-0001	D

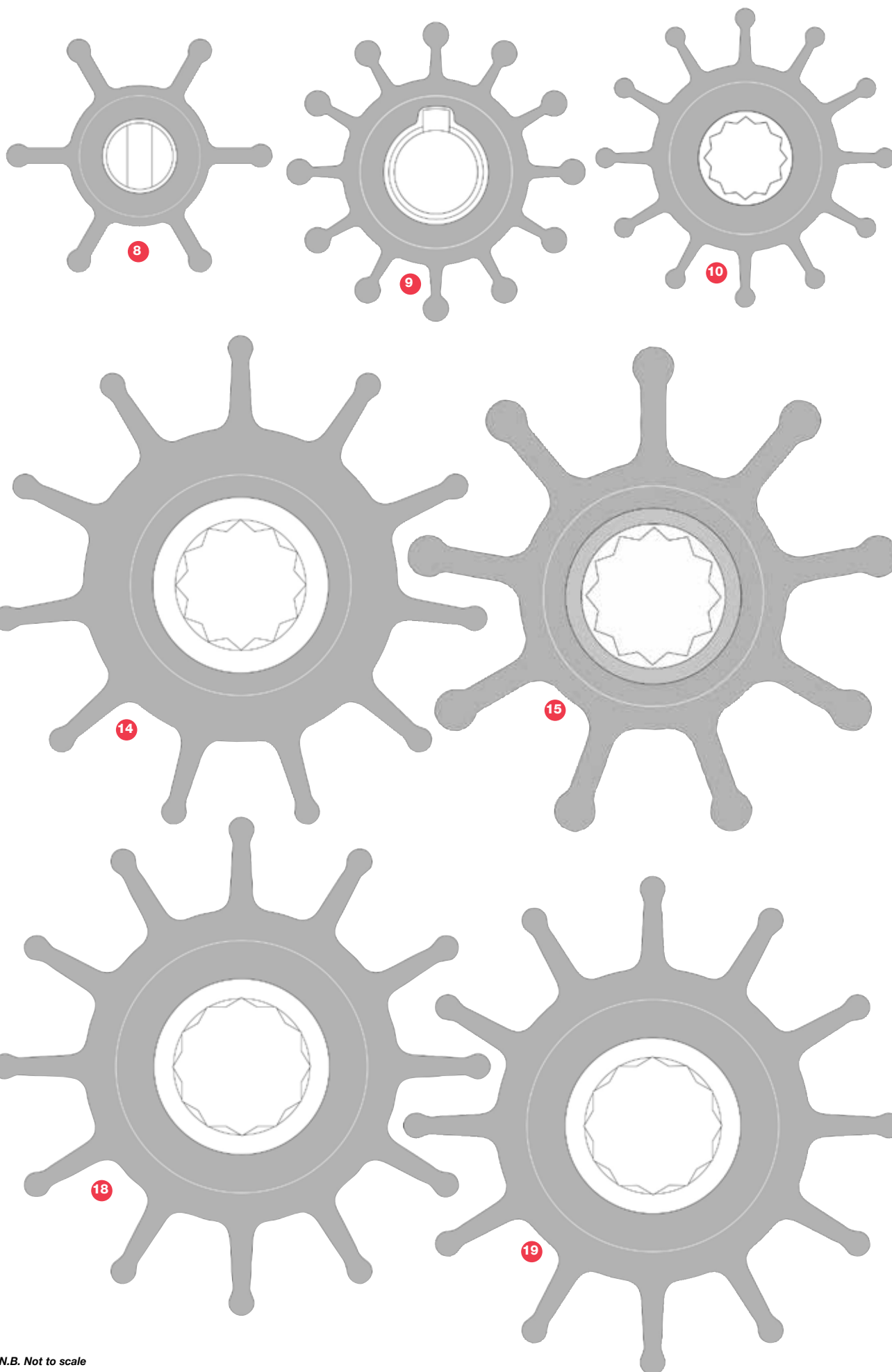
\* MC97 and Neoprene - for cooling, Nitrile - oil resistant



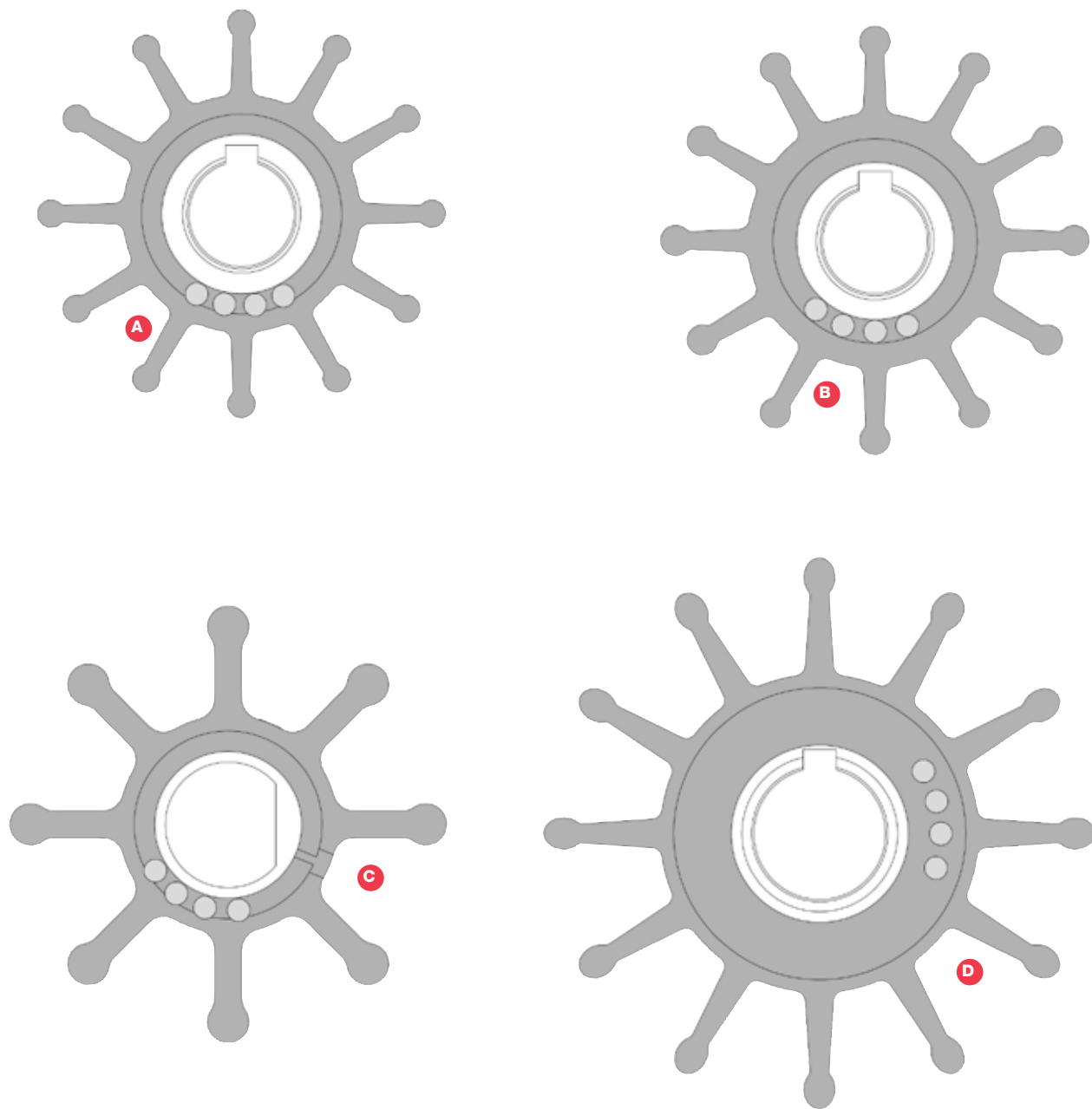
N.B. Not to scale

## SPX Johnson Pump Marine Brand Original Impellers

**SPXFLOW**  
 > Johnson Pump®



*N.B. Not to scale*



N.B. Not to scale

SPX Impeller Puller

The impeller is a very important security device. Its task is to pump the water through the cooling system of the engine. But remember that the impeller should be replaced every year. And always make sure you get a Johnson Pump Brand original impeller. Then you'll know that it matches your pump exactly. Remove the impeller with a slip joint plier or an Impeller.

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Johnson Pump



BLA Code	Description
132938	Puller for 09-1028BT
132936	Puller for 09-821BT
132930	Puller for 09-820B
132940	Puller Generic



## DJ Pump Engine Cooling Pumps and Impellers

For over 30 years DJ Pump has been manufacturing and supplying the marine industry with quality marine pumps and accessories. Manufactured in their hi-tech Korean ISO certified facility to exacting standards ensuring consistent quality and reliability the range of DJ Pump impellers are subjected to quality testing to ensure reliability and continued performance.

Flexible impeller pumps are used extensively in the marine industry and are designed to provide an efficient method of pumping raw water to a large number of applications where required. Often an integral part of the engines cooling system, these pumps operate using an internal impeller which is designed to circulate water continuously throughout the engine.

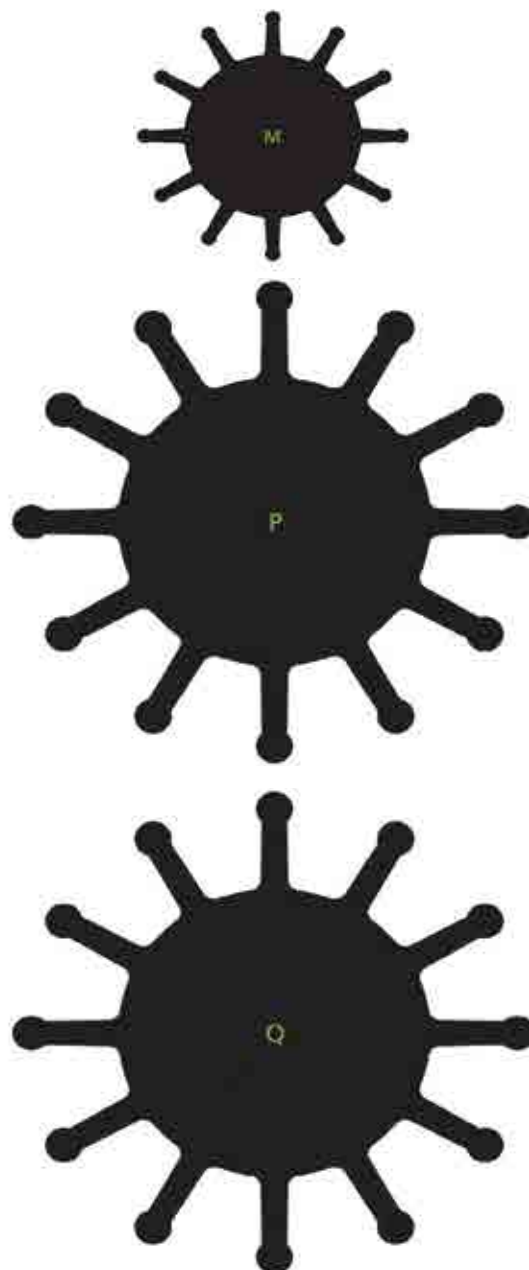
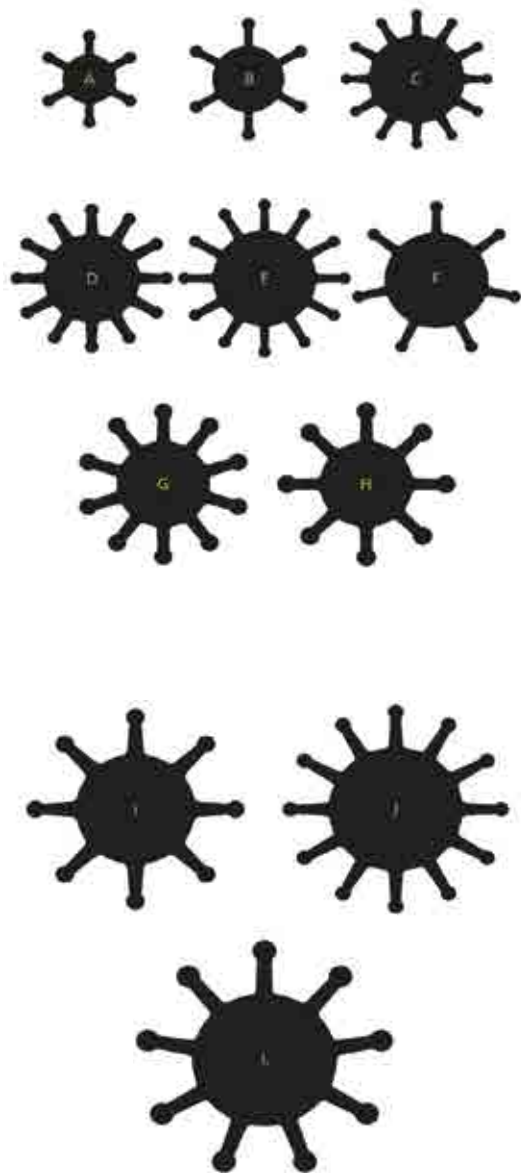
To satisfy the replacement market DJ Pump manufacturers a wide range of popular impeller vane and shaft configurations in Neoprene for general fresh and seawater applications and to a lesser extent in nitrile for oil and diesel applications.

DJ Pump impellers can be fitted to most makes and models of flexible impeller marine engine cooling, bilge, electronic clutch and multi-purpose pumps and are manufactured from quality materials to provide excellent longevity without sacrificing flow characteristics.

Available in a wide range of shaft, diameter and depth configurations each impeller is packed in an easy to identify box clearly showing shaft, material and brand replacement codes.



Refer next page for chart specification



*N.B. Indicative impeller type size comparisons and vane configurations. \*Not to scale*

## DJ Pump Cross Reference Chart

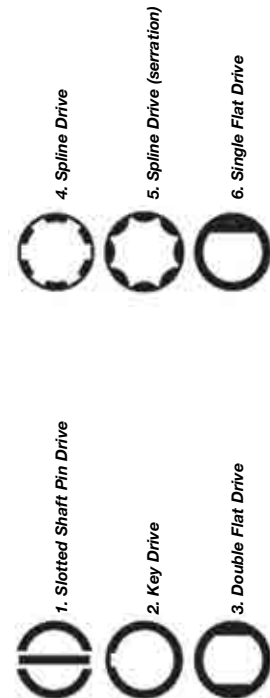
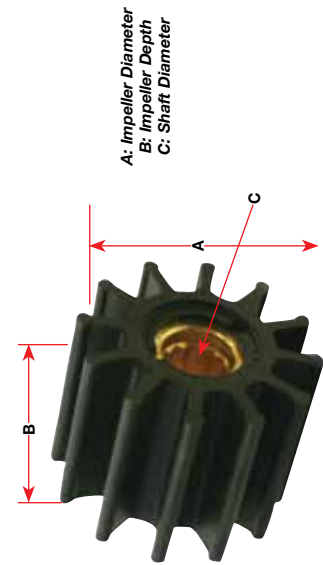


BLA Code	DJ Pump	Material	No. of Blades	Drive Type	Impeller Diameter	Impeller Depth	Shaft Diameter	ITT Jabsco	RWB ITT Code	Johnson	Sherwood	Volvo	CEF	Onan	Kashiyama	Type
132804	09-107-0601	Neoprene	6	6	40mm (1.57")	19mm (0.74")	12mm (0.47")	22405-0001	J53-567	09-808B	8000K	875583-7				A
132800	08-31-0601	Neoprene	6	1	40mm (1.57")	19mm (0.74")	12mm (0.47")					833995				A
132800	08-31-0601	Neoprene	6	1	40mm (1.57")	19mm (0.74")	12mm (0.47")					3586496				A
132802	08-37-0601	Neoprene	6	2	51mm (2")	22mm (0.86")	12.7mm (0.5")	22799-0001	J53-530							B
132834	08-37-0601	Neoprene	6	1	51mm (2")	22mm (0.86")	12mm (0.47")	18653-0001	J53-568	09-810B						B
132832	09-108-0601	Neoprene	6	1	51mm (2")	22mm (0.86")	12.7mm (0.5")	18673-0001	J53-532	09-1026B		804696				B
132832	09-108-0601	Neoprene	6	1	51mm (2")	22mm (0.86")	12.7mm (0.5")					897055				B
132832	09-108-0601	Neoprene	6	1	51mm (2")	22mm (0.86")	12.7mm (0.5")					875808-8				B
132832	09-108-0601	Neoprene	6	1	51mm (2")	22mm (0.86")	12.7mm (0.5")					3586497				B
132832	09-108-0601	Neoprene	6	1	51mm (2")	22mm (0.86")	12.7mm (0.5")					3593659				B
132842	08-21-1201	Neoprene	12	5	57mm (2.24")	31.5mm (1.24")	16mm (0.62")	1210-0001	J53-525	09-1027B		860206	500107	132-0162	SP-30	C
132842	08-21-1201	Neoprene	12	5	57mm (2.24")	31.5mm (1.24")	16mm (0.62")					3856039-7				C
132842	08-21-1201	Neoprene	12	5	57mm (2.24")	31.5mm (1.24")	16mm (0.62")					875811-2				C
132870	08-32-1201	Neoprene	12	5	57mm (2.24")	20mm (0.78")	12.7mm (0.5")				10077K					C
132844	09-105-1201	Neoprene	12	5	57.1mm (2.24")	48.1mm (1.89")	16mm (0.62")	13554-0001	J53-555	09-812B						C
132878	08-38-1201	Neoprene	12	2	62mm (2.44")	32mm (1.25")	16mm (0.62")	18838-0001			09959K	835512-5	500103	132-0117		D
132878	08-38-1201	Neoprene	12	2	62mm (2.44")	32mm (1.25")	16mm (0.62")					3854286		2.5E+07		D
132882	09-106-1201	Neoprene	12	2	62mm (2.44")	22mm (0.86")	16mm (0.62")				9000K					D
132846	08-20-1201	Neoprene	12	2	65mm (2.55")	41mm (1.61")	16mm (0.62")	18948-0001	J53-538		10615K	835874-9	500120			E
132856	09-44-1201	Neoprene	12	5	65mm (2.55")	80mm (3.14")	25mm (0.98")			09-821B						E
132836	09-201-1001	Neoprene	10	6	65mm (2.55")	51mm (2")	19mm (0.74")	17954-0001	J53-559				500214			E
132818	08-40-0801	Neoprene	8	5	65.5mm (2.57")	37mm (1.45")	16mm (0.62")	11979-0001								F
132806	09-46-0801	Neoprene	8	2	65.5mm (2.57")	51mm (2")	16mm (0.62")	4598-0001				818680	500102			F
132820	09-47-0801	Neoprene	8	3	65.5mm (2.57")	51mm (2")	15mm (0.59")									F
132840	09-42-1001	Neoprene	10	5	66mm (2.59")	68mm (2.67")	16mm (0.62")								SP-130	G
132808	001-0801	Neoprene	8	5	67mm (2.63")	50mm (1.96")	16mm (0.62")	920-0001	J53-522	09-1028B		801277			SP-70	H
132808	001-0801	Neoprene	8	5	67mm (2.63")	50mm (1.96")	16mm (0.62")					825941				H
132808	001-0801	Neoprene	8	5	67mm (2.63")	50mm (1.96")	16mm (0.62")					877061-2				H
132808	001-0801	Neoprene	8	5	67mm (2.63")	50mm (1.96")	16mm (0.62")					875593				H
132808	001-0801	Neoprene	8	5	67mm (2.63")	50mm (1.96")	16mm (0.62")					3841697				H
132810	001-0801N	Nitrile	8	5	67mm (2.63")	50mm (1.96")	16mm (0.62")	920-0003	J53-523	09-1028B-9		877061-2	500206			H
132816	082-0801	Neoprene	8	3	80mm (3.14")	54mm (2.12")	19mm (0.74")									I
132848	08-19-1201	Neoprene	12	2	82mm (3.22)	73mm (2.87")	20mm (0.78")	18958-0001	J53-557		17000K					J
132876	08-35-1201	Neoprene	12	5	82mm (3.22)	73mm (2.87")	19,, (0.75")				27000K					J
132822	003-0901	Neoprene	9	5	95mm (3.74")	63mm (2.48")	25mm (0.98")	836-0001	J53-519	09-1029B		875736	500105		SP-200	L
132822	003-0901	Neoprene	9	5	95mm (3.74")	63mm (2.48")	25mm (0.98")					807904				L

## DJ Pump Cross Reference Chart

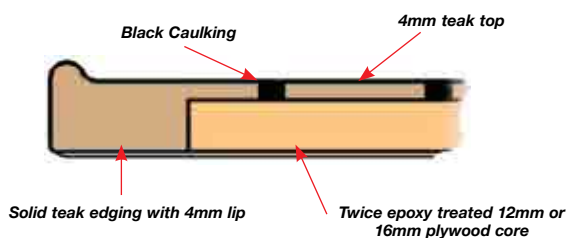


BLA Code	DJ Pump	Material	No. of Blades	Drive Type	Impeller Diameter	Impeller Depth	Shaft Diameter	ITT Jabsco	RWB ITT Code	Johnson	Sherwood	Volvo	CEF	Onan	Kashiyama	Type
132826	003-0901	Neoprene	9	3	95mm (3.74")	63mm (2.48")	25mm (0.98")									L
132824	003-0901	Neoprene	9	5	95mm (3.74")	88.5mm (3.48")	25mm (0.98")	8760-0001	J53-535	09-802B			500145		SP-280	L
132850	003-1201	Neoprene	12	5	95mm (3.74")	63mm (2.48")	25mm (0.98")	17935-0001	J53-513	09-819B		875660				M
132850	003-1201	Neoprene	12	6	95mm (3.74")	63mm (2.48")	25mm (0.98")					575736-1				M
132850	003-1201	Neoprene	12	7	95mm (3.74")	63mm (2.48")	25mm (0.98")					825942				M
132850	003-1201	Neoprene	12	8	95mm (3.74")	63mm (2.48")	25mm (0.98")					807904				M
132852	003-1201	Neoprene	12	5	95mm (3.74")	88.5mm (3.48")	25mm (0.98")	17936-0001	J53-517	09-814B		875814-6	500145			M
132852	003-1201	Neoprene	12	6	95mm (3.74")	88.5mm (3.48")	25mm (0.98")					875697				M
132852	003-1201	Neoprene	12	7	95mm (3.74")	88.5mm (3.48")	25mm (0.98")					545796				M
132852	003-1201	Neoprene	12	8	95mm (3.74")	88.5mm (3.48")	25mm (0.98")					844683				M
132852	003-1201	Neoprene	12	9	95mm (3.74")	88.5mm (3.48")	25mm (0.98")					842857				M
132868	08-30-1201	Neoprene	12	5	95mm (3.74")	130mm (5.11")	25mm (0.98")			09-820B						M
132872	08-33-1201	Neoprene	12	5	95mm (3.74")	102mm (4.01")	25mm (0.98")									M
132874	08-34-1201	Neoprene	12	5	95mm (3.74")	80mm (3.14")	25mm (0.98")									M
132864	08-17-1201	Neoprene	12	5	129mm (5.07")	101.5mm (3.99")	36mm (1.41")	31500-0001							SP-500	P
132866	08-17-1201N	Nitrile	12	6	129mm (5.07")	101.5mm (3.99")	36mm (1.41")									P
132880	09-43-1201	Neoprene	12	5	161mm (6.33")	120mm (4.72")	36mm (1.41")								SP-900	Q



## Teak Table Tops

Beautifully crafted, classically designed, quality teak table tops in a large range of sizes and shapes with traditional pattern inlays. Each slat is individually selected when creating the table, ensuring that both the colour and the finished look maintain consistency. The table top is constructed around a twice epoxy treated 12 or 16mm thick plywood core with 4mm thick teak slats applied to the plywood surface. Quality black caulking compound are used between each slat, resulting in a total table top thickness of either 16 or 20mm, excluding raised edges. The table is left bare and can be used as is, oiled or varnished.



### Nautic Star Square Teak Table Tops

#### – Rounded Corners

Rectangular with smooth rounded corners, traditional compass rose design embedded in the middle with a 4mm high edging extending all the way around the table.



BLA Code	Description	Width mm	Length mm	Thickness mm
<b>139426</b>	Soft Square	370	600	16
<b>139427</b>	Soft Square	510	750	16
<b>139430</b>	Soft Square	580	900	16

### Nautic Star Teak Table Top – Eight Sided

Octagonal table with, traditional compass rose design embedded in the middle with a 4mm high edging extending all the way around. Ideal for use in smaller boats.



BLA Code	Description	Diameter mm	Thickness mm
<b>139431</b>	Octagonal	550	16

### Nautic Star Teak Table Top - Ellipse

Oval shaped table with a traditional compass rose design embedded in the middle with 4mm high edging extending all the way around the table.



BLA Code	Description	Width mm	Length mm	Thickness mm
<b>139436</b>	Elliptical	440	580	16

### Nautic Star Teak Table Tops - Half Ellipse

Combines ample area with curved lines. A traditional compass rose design embedded in the middle with a 4mm high edging extending all the way around the table. The total thickness of the table is 16mm, not including the raised edging. Available in two popular sizes.



BLA Code	Description	Width mm	Length mm	Thickness mm
<b>139440</b>	Half Ellipse	500	700	16
<b>139442</b>	Half Ellipse	610	940	16



## Nautic Star Teak Table Top

### - Folding Ellipse with Circle

Folding design with hidden stainless steel hinges engineered to provide a space saving alternative to a full size table. Excellent stability is maintained, even in the fully extended position, due to the face of narrow beading upon which the foldable top rests. A 25cm circle in the middle contains an embedded traditional compass rose.



BLA Code	Description	Width Folded mm	Width Extended mm	Length mm	Thickness mm
139446	Folding Ellipse	300	610	930	20

### Nautic Star Teak Table Top - Folding Balcony

Folding table which can be raised from a vertical surface for use and held in place with a simple telescopic support capable of holding 60kg. Traditional compass rose design embedded in the middle with a 4mm high edging extending all the way around the table.



BLA Code	Description	Width mm	Length mm	Thickness mm
139462	Folding Wall	510	750	16

## Nautic Star Teak Table Tops

### - Folding Rectangular Wing

Double folding design with hidden stainless steel hinges engineered to provide a space saving alternative to a full size table. Features two hinged table leaves which double its size when fully extended to expose embedded traditional compass rose. Two extendible supports can be deployed after the table has been opened to provide extra stability.



BLA Code	Description	Width Folded mm	Width Extended mm	Length mm	Thickness mm
139448	Folding Rectangle	340	680	600	20
139450	Folding Rectangle	340	680	800	20

### Teak Table Tops - Basic Rectangle

Plain, practical teak tables with squared corners and built upon a solid plywood core which is overlaid with 4mm teak slats then sanded to a smooth finish.



BLA Code	Description	Width mm	Length mm	Thickness mm
139464	Rectangle	420	620	16
139466	Rectangle	480	770	16
139468	Rectangle	610	900	16





## Magma® Gourmet Series Gas Barbecues

The versatile gourmet series barbecues have set a new bench mark for onboard cooking. Beautifully finished and manufactured from 100% 18-9 stainless steel for ultimate hygiene and corrosion resistance. They grill quickly, evenly and disassemble easily for cleaning. A wide range of mount options are available to suit virtually any craft. Mount hardware purchased separately. Supplied with control valve for connection to regulated LPG.

### Features:

- Dependable Piezo Crystal Ignition system
- Full size inner safety shell funnels grease into front access grease tray reducing flare-up and heat discolouration
- Convenient snap-out dual radiant plate for even heat distribution
- Closely spaced grill wires designed to grill anything from a T-bone to delicate fish and cut vegetables
- Oversized perfectly balanced lockable lid won't slam shut and secures all inner components while underway
- One year warranty

### Catalina and Monterey Additional Features:

- Easy to read all stainless steel hermetically sealed thermometer with 750° safety glass
- Large upper grill for slow grilling or for warming food such as vegetables and bread

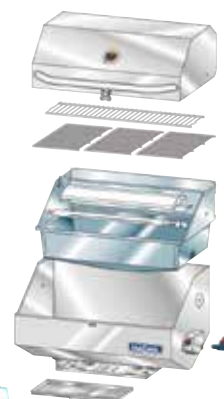


Catalina - Pictured with optional cutting board and dual rail mount.

Pictured with Coleman® disposable gas cylinder (not included)



Fold up legs included on all gourmet BBQs



Monterey - Pictured with optional cutting board and dual rail mounting kit.

139586

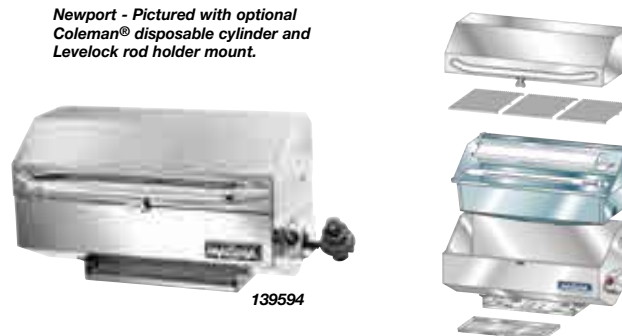


Newport - Pictured with optional Coleman® disposable cylinder and Levelock rod holder mount.

139594



139586



139594

BLA Code	Model	Control Valve To Suit	Primary Grill mm	Secondary Grill mm	Width Incl. Valve mm	Front to Back mm	mm	Height (Legs Up) mm	mm
139586	Monterey	LPG	300 x 610	140 x 610	730	395	375	480	345
139590	Catalina	LPG	300 x 460	140 x 460	580	395	375	480	345
139594	Newport	LPG	230 x 460	—	580	300	295	420	290

### Standard Inclusions:

139726 Warming rack to suit Catalina



## Magma® Levelock Rod Holder Mount



Made from a combination of stainless steel and anodised aluminium. The quick release, cam action design allows convenient all angle adjustment. The stainless steel tube fits most cross pin type rod holders in eight different rotational positions. Folds flat for compact storage.



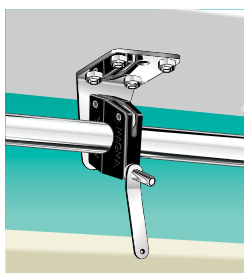
BLA Code	Overall Length	Tube Length
<b>139678</b>	360	300

*N.B. Recommended for use with the Newport Gourmet Series barbecue only.*

## Magma® Rail Mount Kits



Made of 18-8 stainless steel and 356 anodised aluminium, they easily detach without tools for compact storage. Single mounts attach to horizontal round rails and feature two way angle adjustment for perfect horizontal levelling. Dual rail mounts have a unique pivoting design which allows them to mount on a straight or curved rail or across the corner of a stern rail.



BLA Code	Style	Suits Gourmet Barbecue	Rail Diameter mm	in
<b>139684</b>	Single	Newport only	25	1
<b>139686</b>	Single	Newport only	32	1¼
<b>139688</b>	Dual	All models	22-25	7/8-1

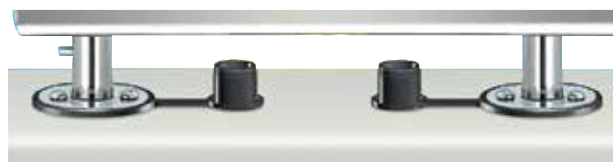
### Spare Parts:

**139778** Spare lever and washer

## Magma® Locking Flush Socket Deck Mounts



Mirror polished 18-8 stainless steel construction. These flush socket sets feature a push button locking pin and include flange gasket with attached water seal plugs. Screws are included for attachment to table or Gourmet series barbecue.



BLA Code	Style	Suits Gourmet Barbecue	Deck Flange mm	Cut Out mm	Intrusion mm
<b>139682</b>	Dual	All models	60	25	45

## Magma® Square Rail/Side Mount



These all 18-8 stainless steel mounts attach to flat surface such as bulkheads, coamings, transoms or cabin sides. Also mounts to square and flat rails. Fits horizontal rails up to 57mm high by any depth or vertical rails up to 41mm wide by any depth.



BLA Code	Style	Suits Gourmet Barbecue	Mount Base mm	Overall Height mm
<b>139696</b>	Dual	All models	69 x 79	110