



MARINE
PRODUCTS
COLLECTION

NAVICO GROUP

Taking You Further

Navico Group is the world's leading supplier of integrated systems and products to industries ranging from marine to recreational vehicles. We bring together the best brands, products and people to create groundbreaking innovations that reinvent the consumer experience. Our broad portfolio of the industry's leading brands in power management, digital control & monitoring, networked devices, and marine electronics are distributed globally to a diverse aftermarket and OEM customer base. Navico Group is driven, every day, to be the world's most trusted partner to the marine and mobile industries, and beyond.



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Founders Vision

In 1810, Munster Simms Engineering was established as a distribution and petroleum company. The business has undergone many changes since, moving to manufacturing brass bilge pumps for the Royal Navy during the Second World War in 1939, launching pumps to the Marine sector in the 1940s and then supplying pumps and taps to the RV market in the 1960s. Fast forward 60 years and Whale now supply a comprehensive range of water systems, water heating systems and space heating solutions across a range of mobile applications.



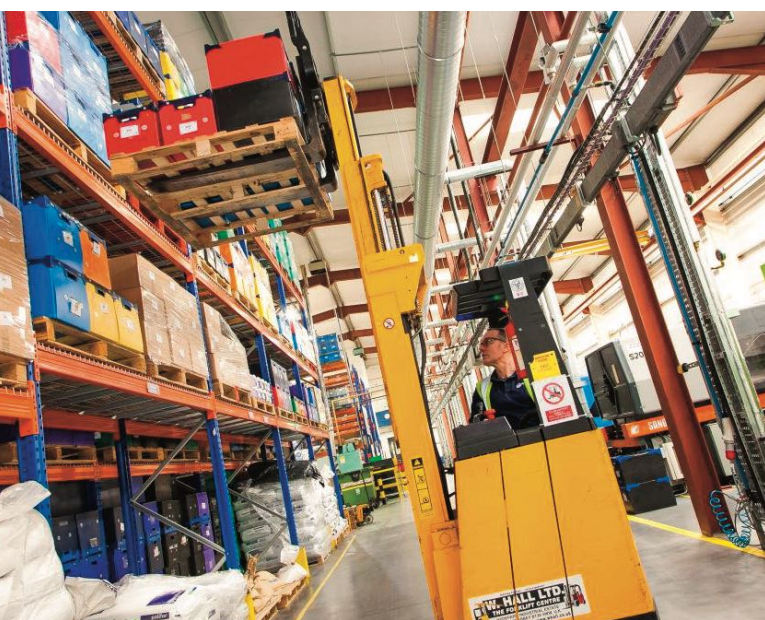
Innovation

Award winning innovative products; designed and manufactured to deliver the highest standards of performance and safety, enhancing the user experience.



Quality

Relentless pursuit to exceed consumer expectations through continuous improvement in the design, product quality and service.



Service

Best in class, friendly, transparent support throughout the consumer journey. Always prepared to go the extra mile.



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WASH DOWN



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PLUMBING



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FISH BOX/LIVEWELL



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GREY WASTE



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BLACK WASTE

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AWARD WINNING ELECTRIC PUMPS FROM THE EXPERTS IN BILGE SYSTEMS

From the iconic Gusher range to the original low profile Supersub, Whale have always led the way in everything bilge.

From ground-breaking pump and water system designs through to recent innovative leaps in electronically controlled systems, Whale offers peace of mind.

SUPERSUB SMART

THE ORIGINAL, AWARD-WINNING, LOW PROFILE, NARROW, AUTOMATIC ELECTRIC BILGE PUMP PROVEN OVER 20 YEARS

- ▶ No separate bilge switch required
- ▶ Low profile design is ideal for narrow bilge
- ▶ Retrofittable with angled mounting bracket to aid installation
- ▶ Low power consumption
- ▶ Suitable for use in fresh and saltwater
- ▶ Integrated bleed ball prevents air locks

	Supersub Smart		
Model	Supersub Smart 650 (with non return valve)	Supersub Smart 1100 (with non return valve)	Supersub Smart 1100 (with non return valve)
PART NUMBER	SS5212	SS1212	SS1224
Weight	0.3kg (0.7lbs)	0.5kg (1.0lbs)	0.5kg (1.0lbs)
Voltage	12V d.c.	12V d.c.	24V d.c.
Fuse size	5 amps	5 amps	2.5 amps
Cable size	1.5mm ² (16AWG)		
Hose connection	19mm (¾") / 25mm (1") stepped port	25mm (1") / 28mm (1⅛") stepped port	25mm (1") / 28mm (1⅛") stepped port
Materials	Pump Body: Polypropylene, High Temperature ABS, Fully Potted Circuitry. Locking Ring: Acetal, Impeller: Glass-Filled PBT, Seals: Nitrile, Fasteners: Stainless Steel		
Materials in contact with fluid	Polypropylene, ABS, Glass-Filled PBT, Nitrile		

	Performance		
PART NUMBER	SS5212	SS1212	SS1224
Max discharge head	3m (10ft)		
Open flow rate	40 ltrs/min (650 US GPH)	66 ltrs/min (1050 US GPH)	
Open flow rate at 1m (3ft) head	34 ltrs/min (550 US GPH)	47 ltrs/min (750 US GPH)	

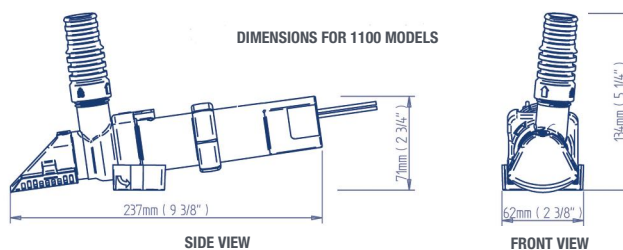
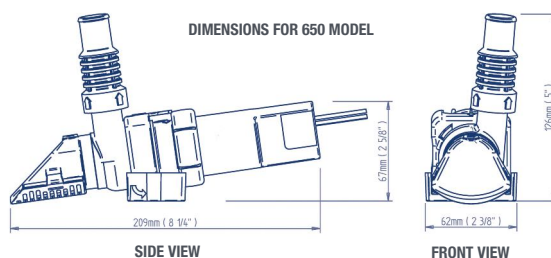
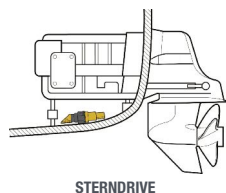
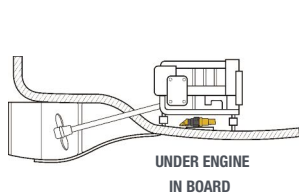
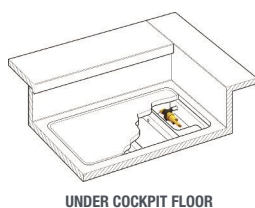
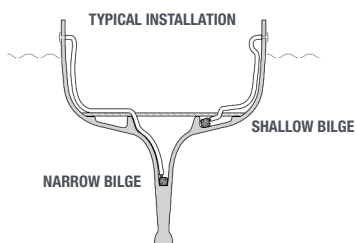
For further guidance on the selection of the correct pump, please see page 117

WARRANTY 3 YEARS

- ▶ CE Certified
- ▶ ISO 8849
- ▶ ISO 15083
- ▶ ISO 8846
- ▶ ISO 10133
- ▶ ABYC H-22



QUALITEC TECHNOLOGY AWARD



DESIGNED TO FIT IN NARROW BILGE SPACES WHERE OTHERS DO NOT REACH

- ▶ Easy installation - outlet and pump body rotate to suit your installation
- ▶ Easy maintenance with unique easy clean strainer
- ▶ Efficient operation - low power consumption
- ▶ Low profile strainer leaves bilge almost dry
- ▶ Integrated bleed ball prevents air locks

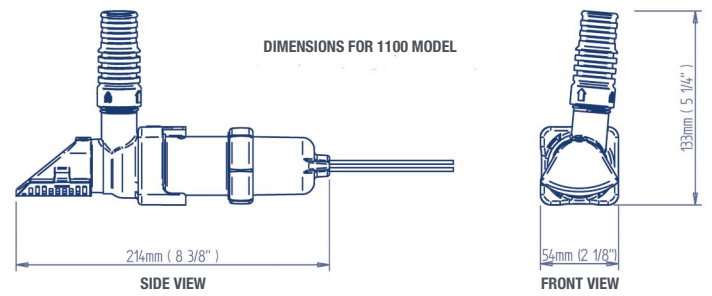
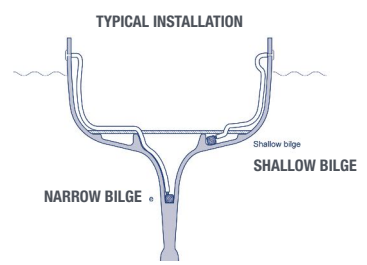
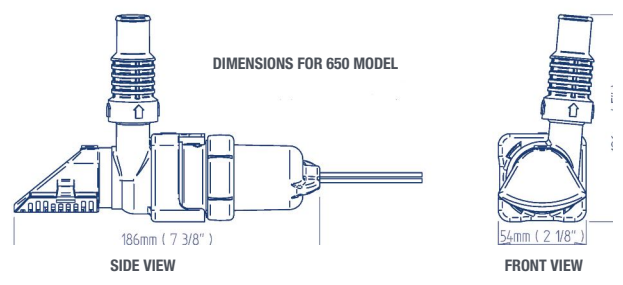
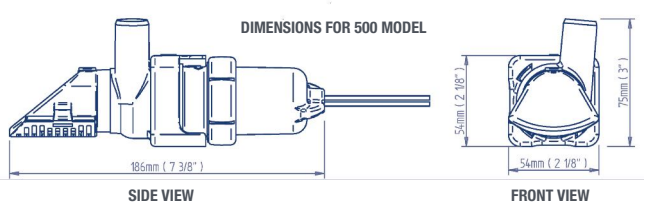
	Supersub			
MODEL	Supersub 500	Supersub 650 (with non return valve)	Supersub 1100 (with non return valve)	Supersub 1100 (with non return valve)
PART NUMBER	SS5012	SS5022	SS1012	SS1024
Weight	0.27kg (0.6lbs)		0.4kg (0.9lbs)	
Voltage	12V d.c.			24V d.c.
Fuse size	5 amps			2.5 amps
Cable size	1.5mm ² (16AWG)			
Hose connection	19mm (¾")	19mm (¾") / 25mm (1") stepped port	25mm (1") / 28mm (1½") stepped port	
Materials	Pump Body: Polypropylene, High Temperature ABS, Fully Potted Circuitry. Locking Ring: Acetal, Impeller: Glass-Filled PBT, Polypropylene, Seals: Nitrile, Fasteners: Stainless Steel			
Materials in contact with fluid	Polypropylene, ABS, Glass-Filled PBT, Nitrile			
Accessories	Electric bilge switches BE9003 and BE9006, for all bilge accessories see page 38-40, Non return valve LV1219			

	Performance		
PART NUMBER	SS5012	SS5022	SS1012 / SS1024
Max discharge head	3m (10ft)		
Open flow rate	32 ltrs/min (500 US GPH)	40 ltrs/min (650 US GPH)	66 ltrs/min (1050 US GPH)
Open flow rate at 1m (3ft) head	25 ltrs/min (400 US GPH)	34 ltrs/min (550 US GPH)	47 ltrs/min (750 US GPH)

For further guidance on the selection of the correct pump, please see page 117

WARRANTY 3 YEARS

- ▶ CE Certified
- ▶ ISO 8849
- ▶ ISO 15083
- ▶ ISO 8846
- ▶ ISO 10133
- ▶ ABYC H-22



COMPACT, POWERFUL AND AUTOMATIC

- ▶ Simple to install, built-in automatic sensor. No separate bilge switch required
- ▶ Low current draw means longer battery life
- ▶ Efficient - large filter ensures maximum surface area exposed to bilge water
- ▶ Neat fit in compact bilge areas
- ▶ Easy maintenance - simply unclip cover to maintain

Model	Orca Auto 1300	
PART NUMBER	BE1482	BE1484
Weight	0.9kg (2.0lbs)	
Voltage	12V d.c.	24V d.c.
Fuse size	7.5 amps	5 amps
Cable size	1.5mm ² (16AWG)	
Hose connection	25mm (1") / 28mm (1½") stepped port	
Materials	Pump Body: ABS, Seals: Nitrile, Impeller: Acetal	

	Performance
PART NUMBER	BE1482 / BE1484
Max discharge head	4.5m (14.8ft)
Open flow rate	82 ltrs/min (1300 US GPH)
Flow rate at 1m (3ft) head	65 ltrs/min (1100 US GPH)

For further guidance on the selection of the correct pump, please see page 117

COMPACT, EFFICIENT DESIGN

- ▶ Easy installation - outlet and pump body rotate to suit your installation
- ▶ Easy to maintain - unique easy clean strainer
- ▶ Low current draw means longer battery life
- ▶ Neat fit in compact bilge areas

	Orca						
Model	Orca 500	Orca 950	Orca 1300	Orca 1300	Orca 2000	Orca 2000	Orca 3000
PART NUMBER	BE0500	BE0950	BE1450	BE1454	BE2002	BE2004	BE3004
Weight	0.28kg (0.6lbs)	0.45kg (1.0lb)	0.82kg (1.8lbs)		1.32kg (2.9lbs)		2.64kg (5.8lbs)
Voltage	12V d.c.			24V d.c.	12V d.c.	24V d.c.	24V d.c.
Fuse size	2 amps	5 amps	7.5 amps	5 amps	15 amps	7.5 amps	15 amps
Cable size	1.5mm ² (16AWG)						
Hose connection	19mm (¾")	25mm (1") / 28mm (1⅛")			28mm (1⅛")		32mm (1¼")
Materials	Pump Body: ABS, Seals: Nitrile, Impeller: Acetal						
Accessories	Electric bilge switches BE9003 and BE9006, for all bilge accessories see page 38-40						

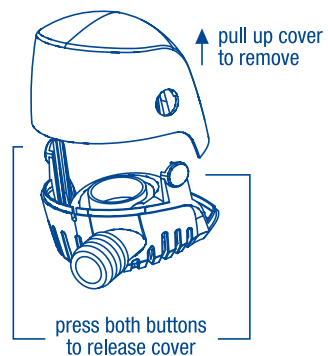
	Performance				
PART NUMBER	BE0500	BE0950	BE1450 / BE1454	BE2002 / BE2004	BE3004
Max discharge head	3m (9.8ft)	3.5m (11.5ft)	4.5m (14.8ft)	4m (13ft)	4.6m (15ft)
Open flow rate	32 ltrs/min (500 US GPH)	59 ltrs/min (950 US GPH)	82 ltrs/min (1300 US GPH)	126 ltrs/min (2000 US GPH)	189 ltrs/min (3000 US GPH)
Flow rate at 1m (3ft) head	28 ltrs/min (450 US GPH)	53 ltrs/min (950 US GPH)	69 ltrs/min (1100 US GPH)	104 ltrs/min (1650 US GPH)	170 ltrs/min (2700 US GPH)



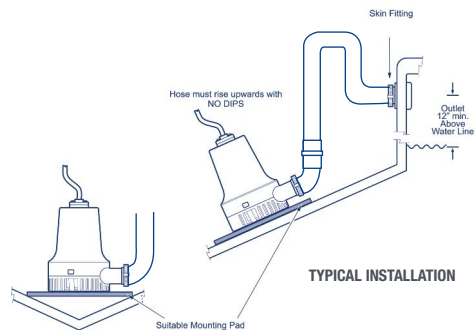
For further guidance on the selection of the correct pump, please see page 117

WARRANTY 3 YEARS

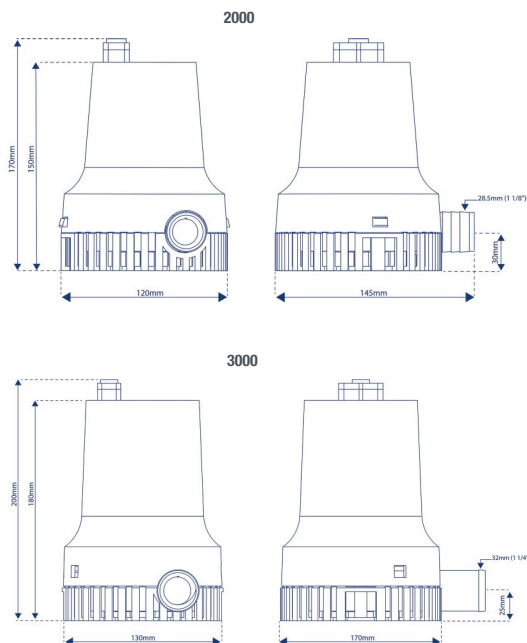
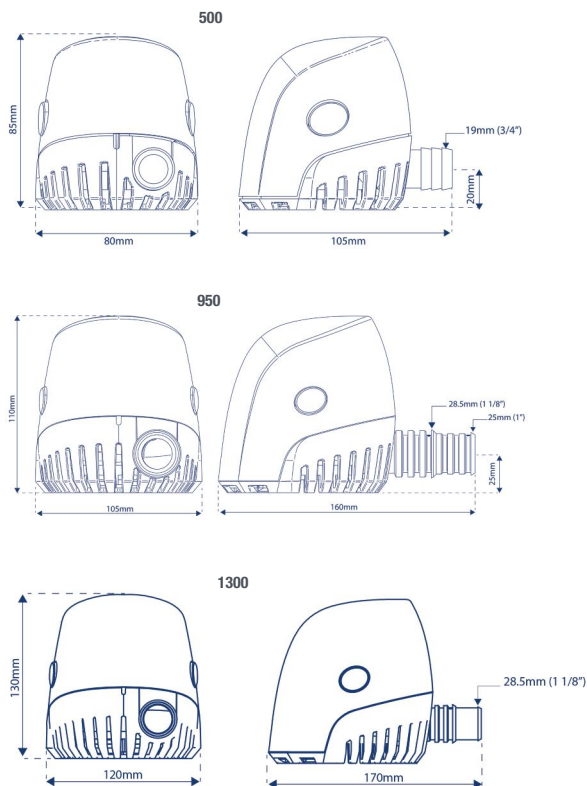
- ▶ CE Certified
- ▶ ISO 8849
- ▶ ISO 15083
- ▶ ISO 8846
- ▶ ISO 10133
- ▶ ABYC H-22



EASY MAINTENANCE



TYPICAL INSTALLATION



PRE-WIRED REMOTE MOUNTED BILGE SYSTEM (4 IN 1) WITH AUTOMATIC INTELLIGENT CONTROL

- ▶ Small footprint strainer with integrated sensor fits into confined spaces
- ▶ Remote mounted pump with integrated electronics - intelligent control
- ▶ Multi directional head for easy installation
- ▶ Low current draw means longer battery life
- ▶ Override wire included for manual activation

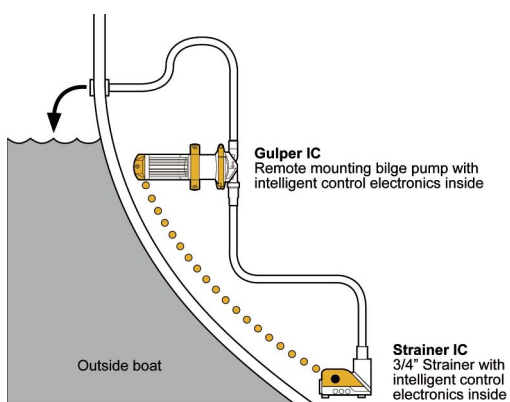
Model	Bilge IC	
PART NUMBER	SI8284	SI8484
Weight	2.6kg (6.5lbs)	
Voltage	12V d.c.	24V d.c.
Fuse size	10 amps	5 amps
Cable size	1.5mm ² (16AWG)	
Cable length	4m (13ft)	
Hose connection	Barbed Connections Gulper IC 19mm (¾") or 25mm (1"), Strainer IC 19mm (¾")	
Materials	Pump Head: Glass-filled Nylon, Valves: Nitrile, Diaphragm: Santoprene®	
Materials in contact with fluid	Glass-filled Nylon, Nitrile, Santoprene®	
Service kits	AK2050 - Replacement Pump Head	

	Performance			
PART NUMBER	SI8284 / SI8484			
Hose size	19mm (¾")	25mm (1")	19mm (¾")	25mm (1")
Suction lift	0m (0ft)	0m (0ft)	1m (3ft)	1m (3ft)
Discharge head	1m (3ft)	1m (3ft)	1m (3ft)	1m (3ft)
Flow rate	19 ltrs/min (300 US GPH)	17.5 ltrs/min (276 US GPH)	17.4 ltrs/min (270 US GPH)	15.5 ltrs/min (246 US GPH)

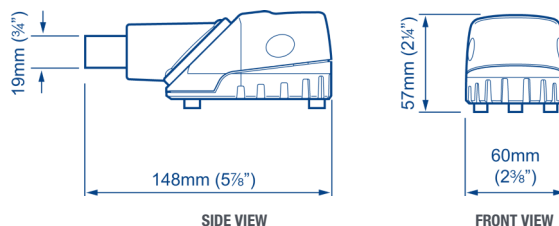
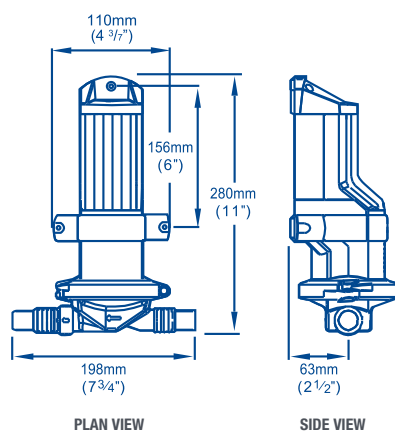
For further guidance on the selection of the correct pump, please see page 117

WARRANTY 3 YEARS

- ▶ CE Certified
- ▶ ISO 8849
- ▶ ISO 15083
- ▶ ISO 8846
- ▶ ABYC H-22



TYPICAL INSTALLATION



EASY ACCESS REMOTE BILGE PUMP FOR PROTECTION AND EASY INSPECTION

- ▶ Remote mount pump for easy access
- ▶ Low current draw means longer battery life
- ▶ Multi directional head for easy installation
- ▶ Easy maintenance - non-choke valve, no filter to block or clean
- ▶ Self-primers and can run dry without damage

Model	Gulper 320	
PART NUMBER	BP2052	BP2054
	Includes 19mm (¾") strainer	
Weight	1.6kg (3.5lbs)	
Voltage	12V d.c.	24V d.c.
Fuse size	10 amps	5 amps
Cable size	1.5mm ² (16AWG)	
Hose connection	19mm (¾") or 25mm (1")	
Materials	Pump Head: Glass-Filled Nylon, Valves: Nitrile, Diaphragm: Santoprene®	
Accessories	SB3422 19mm (¾") strainer (multi-directional port)	
Service kits	AK2050 - Replacement Pump Head	

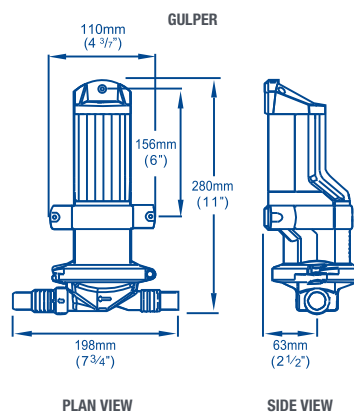
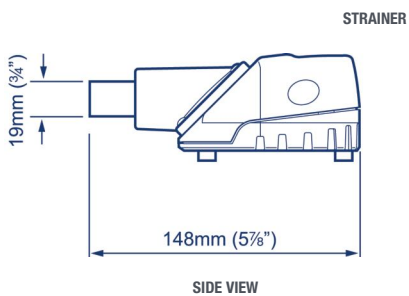
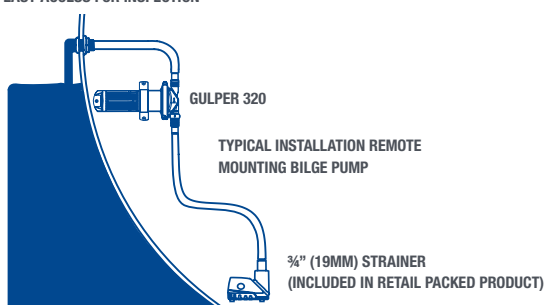
	Performance			
PART NUMBER	BP2052 / BP2054			
Max suction lift	3m (10ft)			
Max discharge head	3m (10ft)			
Discharge head and suction lift combined	4m (13ft)			
Hose size	19mm (¾")	25mm (1")	19mm (¾")	25mm (1")
Suction lift	0m (0ft)	0m (0ft)	1m (3ft)	1m (3ft)
Discharge head	1m (3ft)	1m (3ft)	1m (3ft)	1m (3ft)
Flow rate	19 ltrs/min (300 US GPH)	17.5 ltrs/min (276 US GPH)	17.5 ltrs/min (276 US GPH)	15.5 ltrs/min (246 US GPH)

WARRANTY 3 YEARS

- ▶ CE Certified
- ▶ ISO 8849
- ▶ ISO 15083
- ▶ ISO 8846
- ▶ ABYC H-22



EASY ACCESS FOR INSPECTION



MANUAL BILGE





OVER 70 YEARS OF PROVEN EXPERTISE IN MANUAL BILGE

Since 1940, Whale's range of tough, long-life manual bilge systems have put safety and reliability first. Today, our extensive offering includes manual pumps for all boat sizes and needs, along with accessories for the complete system.

THE ORIGINAL BILGE PUMP CHOICE FOR SAILORS IN EXTREME CONDITIONS

- ▶ Top performance 65 ltrs/min (17 US Gals)
- ▶ High flow non-choke valves, no filter to block or clean
- ▶ Mounting options - on deck, thru deck, bulkhead
- ▶ Designed for easy installation and maintenance
- ▶ Easy pump action

Model	Gusher 10	
	On Deck / Bulkhead	Thru Deck / Bulkhead
PART NUMBER	BP3708	BP3740
Weight	2.3kg (5.0lbs)	
Hose connection	38mm (1½")	
Materials	Pump Body: Marine Grade LM6 Aluminium Alloy (epoxy coated), Diaphragm: Neoprene (Nitrile option available), Fasteners: Stainless Steel	
Materials in contact with fluid	Marine Grade LM6 Aluminium Alloy (Epoxy Coated), Neoprene, Nitrile, Stainless Steel	
Service kits	DP8904 - Plastic Deck Plate Lid, DP3804 - Alloy Deck Plate	
Accessories	AS4405 - Spare Handle	

	Performance	
PART NUMBER	BP3708 / BP3740	
Maximum suction lift	4m (13ft)	
Maximum discharge head	4m (13ft)	
Suction lift	1m (3ft)	2m (6ft)
Discharge head	0.5m (1.5ft)	0.5m (1.5ft)
45 Strokes per minute	41 ltrs/min (11 US Gals)	41 ltrs/min (11 US Gals)
70 Strokes per minute	65 ltrs/min (17 US Gals)	65 ltrs/min (17 US Gals)

For further guidance on the selection of the correct pump, please see page 118

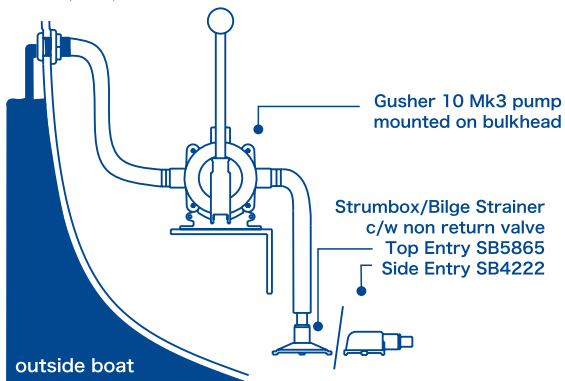
WARRANTY 5 YEARS

- ▶ Suitable as a primary bilge pump on boats equal to or greater than 24m (80ft) in accordance with ISO 15083

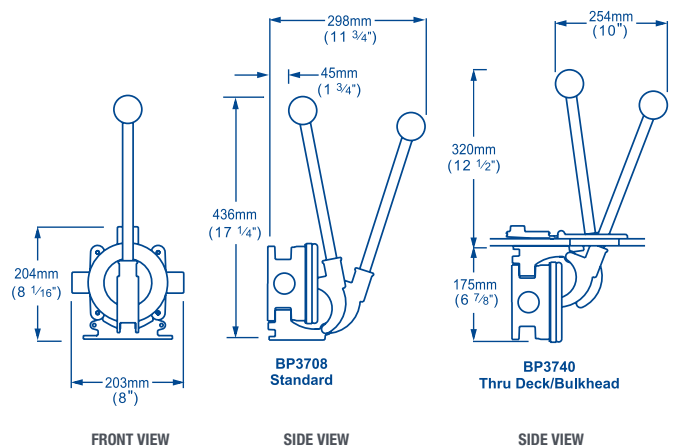


GUSHER 10 MK3
THRU DECK/BULKHEAD
BP3740

Skin fitting 38mm (1 1/2") SF5425



TYPICAL INSTALLATION



LARGEST CAPACITY MANUAL BILGE PUMP IN THE WHALE RANGE

- ▶ Top Performance 117 ltrs/min (31 US Gals)
- ▶ Reliability - fully enclosed twin diaphragms
- ▶ Efficient operation, double acting pumps on to and fro strokes
- ▶ Pumps oily bilge water with ease
- ▶ Robust design, corrosion resistant powder coated aluminium alloy

Model	Gusher 30		
	On Deck	On Bulkhead	Thru Deck only
PART NUMBER	BP3000	BP3010	BP3020
Weight	5.05kg (11.1lbs)		5.9kg (13lbs)
Hose connection	38mm (1½")		
Materials	Pump Body: Marine Grade LM6 Aluminium Alloy (epoxy coated), Diaphragm: Neoprene, Bushes: Acetal, Handwheels: Nylon, Fasteners: Stainless Steel		
Materials in contact with fluid	Marine Grade LM6 Aluminium Alloy (Epoxy Coated), Nitrile®, Stainless Steel		
Service kits	AK3051 - Service Kit for Gusher® 30, Contains: Diaphragms, Valves, Gasket, AS3725 - Gaiter Kit - for use with BP3020, AS3016 - Handwheel / stud kit, AS3015 - Lever Assembly		
Accessories	AS3095 - Spare Handle, DP3804 - Deckplate, AS3020 - Deckplate Conversion Kit		

	Performance		
PART NUMBER	BP3000 / BP3010 / BP3020		
Maximum suction lift	4m (13ft)		
Maximum discharge head	4m (13ft)		
Suction lift	0m (0ft)	1m (3ft)	2m (6ft)
Discharge head	0.5m (1.5ft)	0.5m (1.5ft)	0.5m (1.5ft)
40 Strokes per minute	75 ltrs/min (20 US Gals)	71 ltrs/min (19 US Gals)	71 ltrs/min (19 US Gals)
70 Strokes per minute	117 ltrs/min (31 US Gals)	111 ltrs/min (29 US Gals)	111 ltrs/min (29 US Gals)

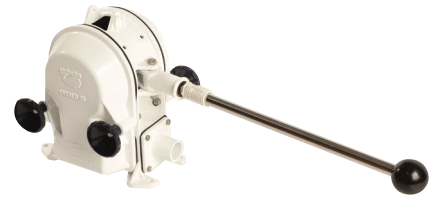
For further guidance on the selection of the correct pump, please see page 118

WARRANTY 5 YEARS

- ▶ Suitable as a primary bilge pump on boats equal to or greater than 12m (40ft) in accordance with ISO 15083
- ▶ Approved by Lloyds (MCA)
- ▶ ISO 18813

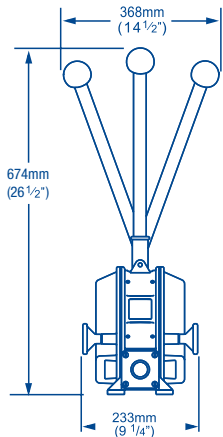


**THRU DECK
BP3020**

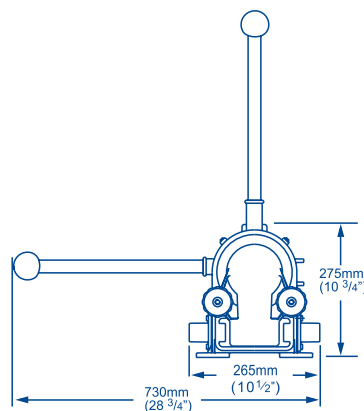


**ON BULKHEAD
BP3010**

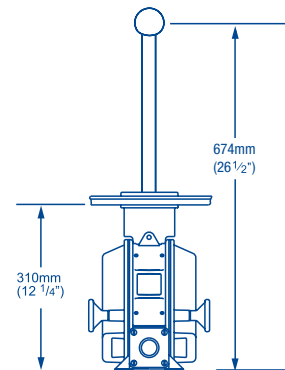
MANUAL BILGE



**BP3000
SIDE VIEW**



**BP3010
FRONT VIEW**



**BP3020
SIDE VIEW**

COMPACT BILGE AND WASTEWATER TRANSFER PUMP

- ▶ Top performance 55 ltrs/min (14.5 US Gals)
- ▶ Multiple mounting options
- ▶ Compact design, ideal for confined spaces
- ▶ Clamp ring easily removed for pump head rotation and quick maintenance
- ▶ Versatility of design - dual size ports

Model	Gusher Urchin		
	On Deck - Fixed handle	Thru Deck / Bulkhead	On Deck - Removable handle
PART NUMBER	BP9005	BP9013	BP9021
Weight	0.6kg (1.3lbs)	0.96kg (2.0lbs)	0.7kg (1.5lbs)
Hose connection	25mm (1") or 38mm (1½")		
Materials	Pump Body: Glass-filled Polypropylene, Clamp Ring: Acetal, Diaphragm: Neoprene, (Nitrile® option available), Operating Lever BP9005: Glass-filled Nylon, Handle (BP9021 and BP9013 only), Springs, Fasteners: Stainless Steel		
Materials in contact with fluid	Glass-filled Polypropylene, Nitrile, Neoprene, Stainless Steel		
Service kits	AK9003 - Neoprene Parts, AK9011 - Nitrile Parts for Oil and Diesel, Contains: Diaphragms, Valves and Circlips, AS9061 - Whale Gusher Urchin Fork Assembly Under deck + Rh, AS9062 - Whale Gusher Urchin Clamp Ring Kit Std + Rh, AS9066 - Whale Gusher Urchin Clamp Plate Kit, AS9064 - Whale Gusher Urchin Thru Deck or Bulkhead Service Kit		
Accessories	DP8904 - Deckplate Kit (for BP9013 and BP9021 only), AS9060 - Std Operating Lever Kit, AS8680 - Spare Handle (for BP9013 and BP9021 only)		

	Performance			
PART NUMBER	BP9005 / BP9013 / BP9021			
Maximum suction lift	4m (13ft)			
Maximum discharge head	3m (10ft)			
Hose size	25mm (1")	38mm (1½")	25mm (1")	38mm (1½")
Suction lift	1m (3ft)	1m (3ft)	2m (6ft)	2m (6ft)
Discharge head	0.5m (1.5ft)	0.5m (1.5ft)	0.5m (1.5ft)	0.5m (1.5ft)
45 Strokes per minute	25 ltrs/min (7 US Gals)	37.5 ltrs/min (9.9 US Gals)	25 ltrs/min (7 US Gals)	36 ltrs/min (9.5 US Gals)
70 Strokes per minute	43 ltrs/min (11.4 US Gals)	55 ltrs/min (14.5 US Gals)	40 ltrs/min (10.6 US Gals)	53 ltrs/min (14 US Gals)

For further guidance on the selection of the correct pump, please see page 118

WARRANTY 5 YEARS

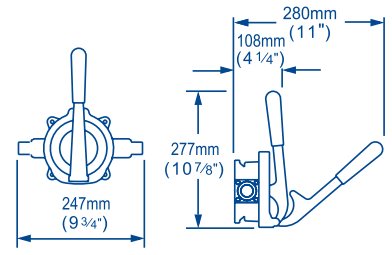
- ▶ 25mm (1") Hose connection - Suitable as a primary bilge pump on boats up to 12m (40ft) in accordance with ISO 15083
- ▶ 38mm (1½") Hose connection - Suitable as a primary bilge pump on boats equal to or greater than 12m (40ft) in accordance with ISO 15083



ON DECK REMOVABLE HANDLE
BP9021

THRU DECK OR BULKHEAD
BP9013

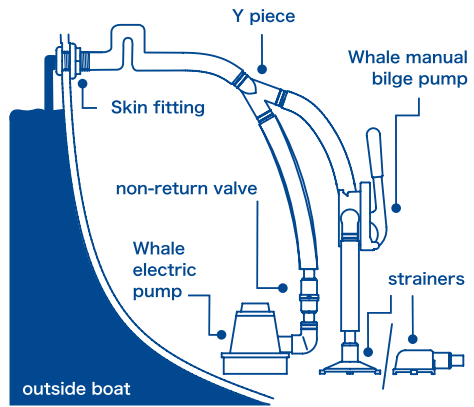
ON DECK FIXED HANDLE
BP9005



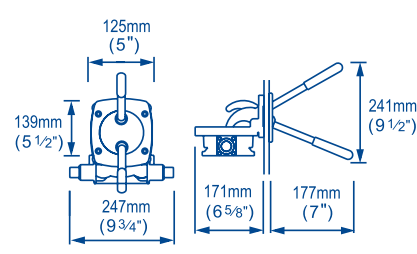
On Deck/Fixed Handle
BP9005

PLAN VIEW

SIDE VIEW



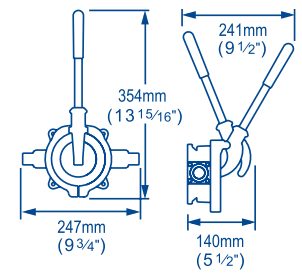
TYPICAL INSTALLATION



Thru Deck/Bulkhead
BP9013

PLAN VIEW

SIDE VIEW



Bulkhead/Removable Handle
BP9021

PLAN VIEW

SIDE VIEW

TOUGH AND LIGHTWEIGHT POLYPROPYLENE MODELS, COMBINES POWERFUL PERFORMANCE AND LIGHTWEIGHT DESIGN

- ▶ High flow rate 105 ltrs/min (28 US Gals)
- ▶ Quick maintenance - clamping ring is easily removed for pump head rotation
- ▶ Multiple mounting options
- ▶ Suitable as primary pump for boats 12m (40ft) and greater
- ▶ Simple plumbing

Model	Gusher Titan	
	On Deck	Thru Deck / Bulkhead
PART NUMBER	BP4402	BP4410
Weight	1.5kg (3.3lbs)	1.85kg (4.1lbs)
Hose connection	38mm (1½")	
Materials	Pump Body: Glass-Filled Polypropylene, Clamp Ring: Acetal, Diaphragm and Valves: Neoprene, (Nitrile® option available), Operating Lever: Glass-filled Nylon, Gaiter: EPDM, Fasteners: Stainless Steel	
Materials in contact with fluid	Glass-Filled Polypropylene, Acetal, Neoprene, Nitrile®	
Service kits	AK4400 - Whale Gusher Titan Neoprene parts (for on deck installations) Diaphragm, Valves and Fixings, AK4419 - Whale Gusher Titan Nitrile® (for oil and diesel, and on deck installations) Diaphragm, Valves and Fixings, AS4406 - Whale Gusher Titan Standard Lever Kit, AS4407 - Whale Gusher Titan Standard Clamping Ring Kit, AS4408 - Whale Gusher Titan Operating Lever U/Deck, AS4409 - Whale Gusher Titan U/Deck Clamping Ring Kit, AS4412 - Whale Gusher Titan Clamping Plate Kit, AS3725 Gaiter Kit For Deckplates (for U/Deck Models - Gusher 30 and 10, Titan, Urchin, MK5)	
Accessories	DP8904 - Deckplate Kit (for BP4410 only), AS4405 - Spare Handle	

	Performance	
PART NUMBER	BP4402 / BP4410	
Maximum suction lift	4m (13ft)	
Maximum discharge head	4m (13ft)	
Suction lift	1m (3ft)	2m (6ft)
Discharge head	0.5m (1.5ft)	0.5m (1.5ft)
45 Strokes per minute	67 ltrs/min (18 US Gals)	65 ltrs/min (16 US Gals)
70 Strokes per minute	105 ltrs/min (28 US Gals)	98 ltrs/min (26 US Gals)

For further guidance on the selection of the correct pump, please see page 118

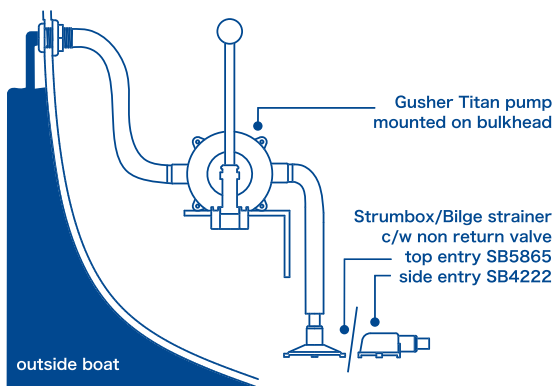
WARRANTY 5 YEARS

- ▶ Suitable as a primary bilge pump on boats equal to or greater than 12m (40ft) in accordance with ISO 15083



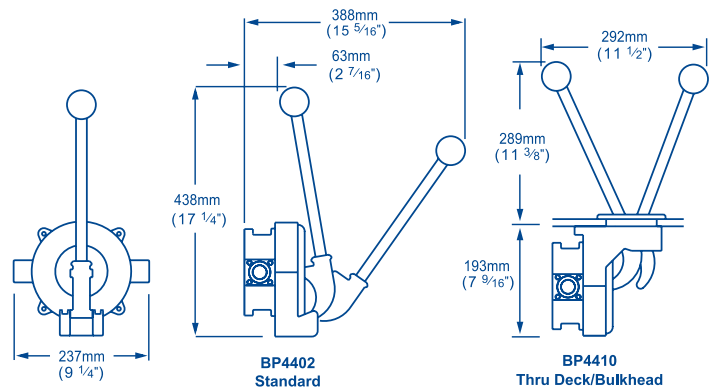
ON DECK
BP4402

Skin fitting 38mm (1 1/2")SF5425



outside boat

TYPICAL INSTALLATION



BP4402
Standard

BP4410
Thru Deck/Bulkhead

TOUGH, RELIABLE DESIGN AVAILABLE WITH SINGLE OR DOUBLE ACTING CAPABILITIES

MK5 UNIVERSAL

- ▶ Top performance 66 ltrs/min (17 US Gals)
- ▶ Whale's most versatile high-performance pump design
- ▶ Multiple mounting options
- ▶ Suitable as primary pump for boats 12m (40ft) and greater

MK5 DOUBLE ACTING PUMP

- ▶ High output - 104 ltrs/min (27 US Gals)
- ▶ Twin diaphragms - empty 2 bilge compartments at the same time
- ▶ Easy maintenance inspection port
- ▶ Will continue to function even if one diaphragm fails

Model	MK5 Universal	MK5 Double Acting		
	Thru Deck / On Bulkhead / On Deck	On Bulkhead	Thru Deck	On Deck
PART NUMBER	BP0510	MH5550	MH5560	MH5570
Weight	1.3kg (3.0lbs)	2.8kg (6.0lbs)		
Hose connection	38mm (1½")			
Materials	Pump Body: Glass-Filled Polypropylene, Acetal, Diaphragm, Valves and Seals: Nitrile, Operating Lever: Acetal, Glass-filled Nylon, PVC, Handle, Spring and Fasteners: Stainless Steel			
Materials in connection with fluid	Glass-filled Polypropylene, Acetal, Nitrile, Stainless Steel			
Service kits	AK8050 - Service Kit for MK5 Contains: Diaphragms, Valves and Circlips, AS0511 - Spare Handle, AS0521 - Rocker Arm Assembly, AS0522 - Front Cover / Body Assembly, AS0531 - Under Deck Rocker Arm Assembly	AK8060 - Service Kit for MK5 D Acting - contains: Diaphragms, Valves and Circlips, AS8551 - Rocker Arm Assembly, AS8552 - Clamping Plate and Nut Kit		
Accessories	AS3725 - Gaiter Kit, DP9906 - Deckplate Kit (includes cover)			

	Performance	
PART NUMBER	BP0510	MH5550 / MH5560 / MH5570
Maximum suction lift	4.5m (14.8ft)	
Maximum discharge head	4.5m (14.8ft)	
Suction lift	1m (3ft)	
Discharge head	0.5m (1.5ft)	
45 Strokes per minute	42 ltrs/min (11 US Gals)	64 ltrs/min (17 US Gals)
70 Strokes per minute	66 ltrs/min (17 US Gals)	104 ltrs/min (27 US Gals)

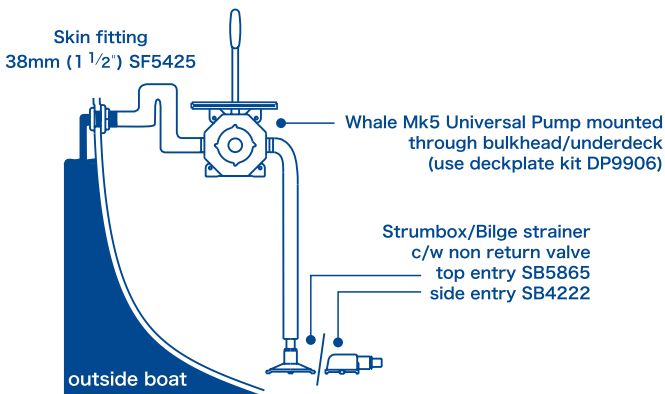
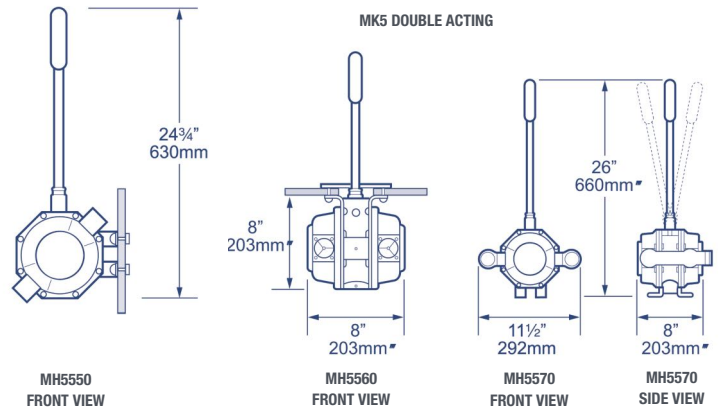
For further guidance on the selection of the correct pump, please see page 118

WARRANTY 5 YEARS

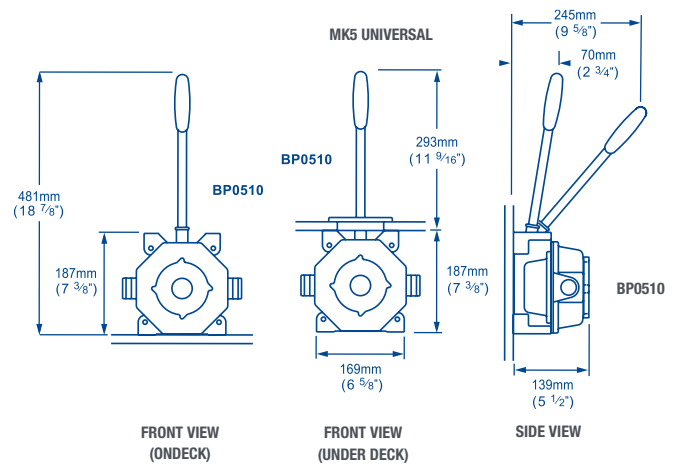
- ▶ Suitable as a primary bilge pump on boats equal to or greater than 12m (40ft) in accordance with ISO 15083
- ▶ Approved by Lloyds (MCA)
- ▶ USCG Approved - MK5 Universal Size 2, MK5 Double Acting Size 3



MK5 DOUBLE ACTING
MANUAL BILGE PUMP



TYPICAL INSTALLATION



DESIGNED FOR CONFINED SPACES WHERE SPACE IS LIMITED

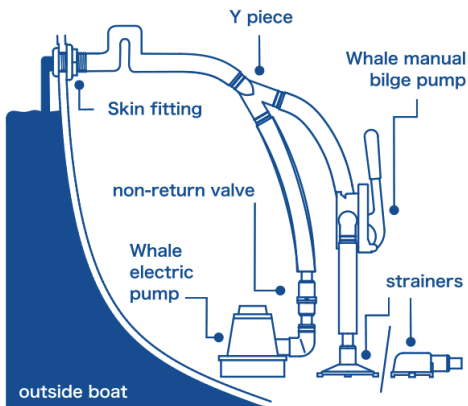
- ▶ Top performance 35 ltrs/min (9.2 US Gals)
- ▶ Easy maintenance - easy to remove clamp ring for maintenance/head rotation
- ▶ Tough, proven, reliable, slimline design
- ▶ Suitable for pumping bilge saltwater or diesel
- ▶ Includes sleek Whale deckplate with cover

Model	Compac 50
	Thru Deck / Bulkhead
PART NUMBER	BP0350
Weight	0.9kg (2.0lbs)
Hose connection	25mm (1")
Materials	Pump Body: Glass-filled Polypropylene, Clamp Ring: Acetal, Diaphragm, Valves and Seals: Nitrile, Operating Lever: Glass-filled Nylon, Gaiter: EPDM, Deck Plate Cover: PBT, Fasteners: Stainless Steel
Materials in contact with fluid	Glass-filled Polypropylene, Nitrile, Stainless Steel
Service kits	AK8035 - Whale Compac 50 Diaphragm, Valves and Fixings, AS0352 - Whale Compac 50 Rocker Arm + Clamp Plate Kit, AS0353 - Whale Compac 50 Clamping Ring Kit, AS0355 - Whale Compac 50 Handle Assembly
Accessories	AS0355 - Spare Handle, AS0356 - Deckplate Kit

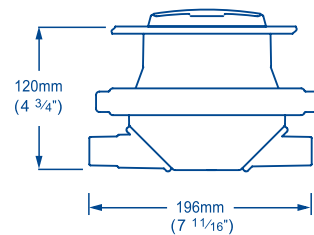
	Performance
PART NUMBER	BP0350
Maximum suction lift	3m (10ft)
Maximum discharge head	4m (13ft)
Suction lift	1m (3ft)
Discharge head	0.5m (1.5ft)
45 Strokes per minute	32 ltrs/min (9 US Gals)
70 Strokes per minute	35 ltrs/min (9.2 US Gals)

For further guidance on the selection of the correct pump, please see page 118

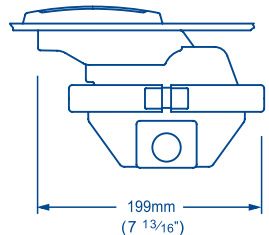
WARRANTY 5 YEARS



TYPICAL INSTALLATION



FRONT VIEW



SIDE VIEW

WHALE'S LOW-PROFILE COMPACT PUMP DESIGNED FOR CONFINED SPACES

- ▶ Top performance 67.7 ltrs/min (17.9 US Gals)
- ▶ Compact size is ideal where space is limited
- ▶ Easy pump action
- ▶ Ease of installation - self-sealing design means no need for messy sealants

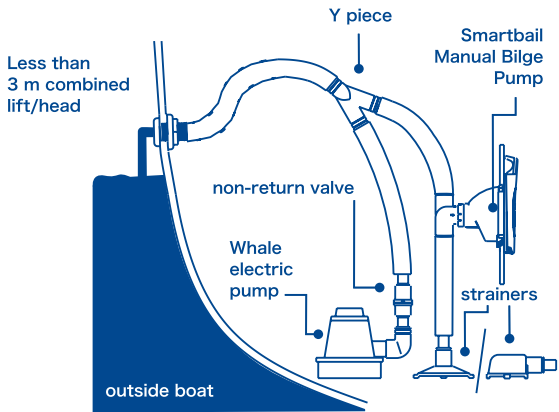
Model	Smartbail
	Thru Bulkhead
PART NUMBER	BP5012
Weight	0.6kg (1.31lbs)
Hose connection	2 options included: 25mm ports (1") qty 2, 38mm ports (1½") qty 2
Materials	Pump Body: Glass-Filled Polypropylene, Inlet and Outlet Valves: Nitrile, Diaphragm: Santoprene®, Fastners: Stainless Steel
Materials in contact with fluid	Glass-filled Polypropylene, Stainless Steel, Nitrile, Santoprene®
Service kits	AK5010 - Diaphragm, Valves and Seals

		Performance			
PART NUMBER		BP5012			
Maximum suction lift		3m (9.8ft)			
Maximum discharge head		3m (9.8ft)			
Maximum combined head and lift		3m (9.8ft)			
		BP5012 (with 25mm ports)		BP5012 (with 38mm ports)	
Port size		25mm (1") ports		38mm (1½") ports	
Lift	Head	45 Strokes/min	70 Strokes/min	45 Strokes/min	70 Strokes/min
0m (0ft)	0m (0ft)	32.75 ltrs/min (8.7 US Gals)	51 ltrs/min (13.5 US Gals)	43.5 ltrs/min (11.5 US Gals)	67.7 ltrs/min (17.9 US Gals)

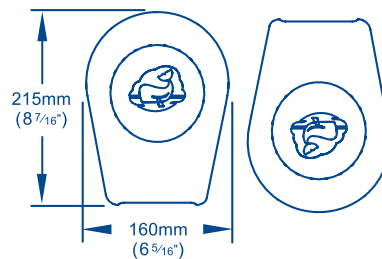
For further guidance on the selection of the correct pump, please see page 118

WARRANTY 5 YEARS

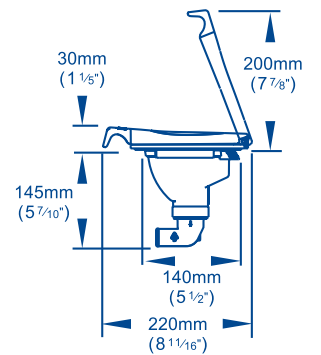
- ▶ Suitable as a primary bilge pump on boats equal to or greater than 12m (40ft) accordance with ISO 15083 38mm (1½")



TYPICAL INSTALLATION



FRONT VIEW



SIDE VIEW

THE PORTABLE CHOICE INSTANTLY READY FOR USE

- ▶ Portable lightweight design
- ▶ Suitable for bilge water or diesel transfer
- ▶ Flexible hose can easily be directed to hard to reach bilge areas
- ▶ Available in 2 barrel lengths
- ▶ Ideal for small boats, dinghies and kayaks

Model	Easybailer	
	Short barrel version	Long barrel version
PART NUMBER	BP1935	BP1955
Weight	0.32kg (0.7lbs)	0.4kg (0.9lbs)
Hose connection	25mm (1")	
Materials	Pump Body: ABS, HDPE, Polypropylene, PVC, uPVC, Diaphragm: Neoprene, Fasteners: Stainless Steel	
Materials in contact with fluid	ABS, HDPE, Polypropylene, PVC, uPVC, Neoprene, Stainless Steel	

	Performance	
PART NUMBER	BP1935 / BP1955	
Suction lift	0m (0ft)	1m (3ft)
Discharge head	0.5m (1.5ft)	0.5m (1.5ft)
45 Strokes per minute	19 ltrs/min (5 US Gals)	19 ltrs/min (5 US Gals)
70 Strokes per minute	31.4 ltrs/min (8.3 US Gals)	31.4 ltrs/min (8.3 US Gals)

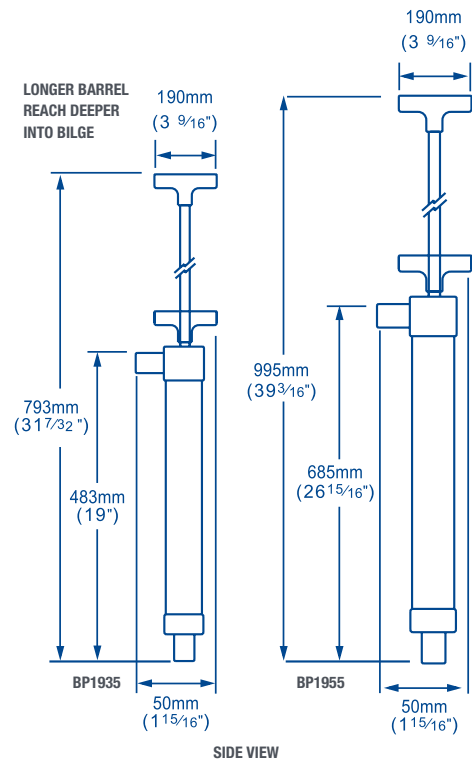
For further guidance on the selection of the correct pump, please see page 118

WARRANTY 1 YEARS

▶ ISO 15083



MANUAL BILGE



COMPLETE YOUR SYSTEM

Fit Whale high quality pumps and accessories to ensure long term reliability throughout your bilge waste system. Whale switches, diverter valves, and pipework connections are designed and manufactured to the highest quality specification. Combine these accessories with your Whale bilge pumps for reliability and durability.

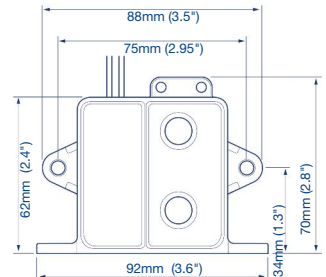
ELECTRIC FIELD SENSOR RANGE

- ▶ Electric field sensor automatically senses water levels and switches on the bilge pumps
- ▶ Nylon material - withstands high temperatures
- ▶ Automatically switches on when 51mm (2") of water is sensed and turns off when water drops below 13mm (½")
- ▶ BE9006 model - built in 30 second off delay for efficient operation, prevents cycle in small sump installations or enables lower drain than 13mm (½")

SUITABLE FOR ORCA, SUPERSUB, STANDARD SUBMERSIBLE RANGES AND GULPER

	Electric Field Sensor	
Model	Electric Field Sensor Switch	Electric Field Sensor Switch with 30 second time delay
PART NUMBER	BE9003	BE9006
Voltage	12V d.c. or 24V d.c.	
Current	Suitable up to 20 amps	
Standby current	0.008 amp	

WARRANTY 1 YEAR



SIDE VIEW

ATTWOOD FLOAT SWITCH

- ▶ Ideal for use with electric bilge pump
- ▶ Float switch senses water levels and switches on the bilge pumps
- ▶ Automatically switches on when 51mm (2") of water is sensed
- ▶ Easy to install, mounted on either horizontal or vertical surface (e.g. bulkhead or hull)
- ▶ Suitable for installations where current draw is up to 12 amps
- ▶ Compact design

SUITABLE FOR ORCA, SUPERSUB, STANDARD SUBMERSIBLE RANGES AND GULPER

	Float Switch
Model	Attwood Float Switch with Cover
PART NUMBER	4201-7
Voltage d.c.	12V d.c. or 24V d.c.
Current	Suitable up to 12 Amps

WARRANTY 1 YEAR



WARRANTY 1 YEAR

Y PIECE

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

Model	Y Piece
PRODUCT NUMBER	YP6114
Pipe diameter	38mm (1½")
Materials	Polypropylene



ELBOWS

- ▶ Ideal for use in installations in confined spaces

Model	Elbows	
PRODUCT NUMBER	EB3364	EB3488
Pipe diameter	25mm (1")	38mm (1½")
Materials	Polypropylene	



NON-RETURN VALVES

- ▶ Extensive range now includes ¾" and 1½" models
- ▶ Provide an easy way to maintain prime in a suction or discharge line
- ▶ Designed to fit inline
- ▶ Suitable for use with manual or electric pumps

Model	Non Return Valves		
PRODUCT NUMBER	LV1215	LV1218	LV1219
Pipe diameter	25mm (1") / 38mm (1½")	25mm (1") / 28mm (1⅛")	19mm (¾") / 25mm (1")
Materials	Body: Glass-filled Polypropylene, Glass-filled Nylon, Valve: Nitrile		



SKIN FITTINGS

- ▶ Manufactured using strong high quality moulded non-corrosive acetal

Model	Skin Fitting			
PRODUCT NUMBER	SF5018	SF5131	SF5204	SF5425
Pipe diameter	16mm (⅝")	19mm (¾")	25mm (1")	38mm (1½")
Materials	Acetal			

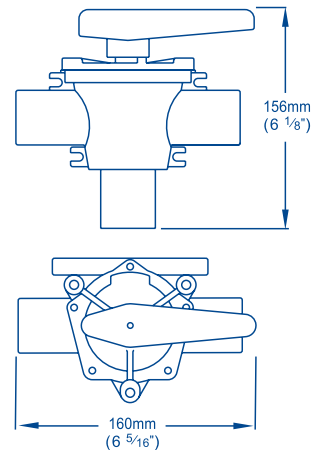
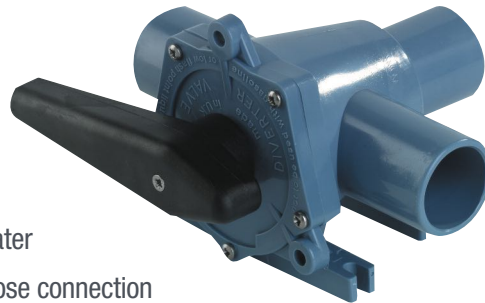


Note: These specifications are retail items only. For details of our bulk pack range for boat builders and wholesalers - contact Whale Support.

DIVERTER VALVES

WARRANTY 5 YEARS

- ▶ Allows one pump to draw from 2 locations
- ▶ Robust, reliable design
- ▶ Teflon® lubricated non-stick operation
- ▶ Precision machined for odour-proof seal
- ▶ Withstands sewage/black waste, saltwater and bilge water
- ▶ Models available in either 25mm (1") or 38mm (1½") hose connection



TYPICAL USES

- ▶ Suitable for electric or manual waste management systems
- ▶ Used in bilge and toilet waste systems
- ▶ Diverts flow to holding tank or overboard for deck pump out

Diverter Valve		
PART NUMBER	DV5630	DV5606
Hose connection	25mm (1")	38mm (1½")
Materials	Main Body: Acetal, Teflon®, Handle: PTFE Polyester	

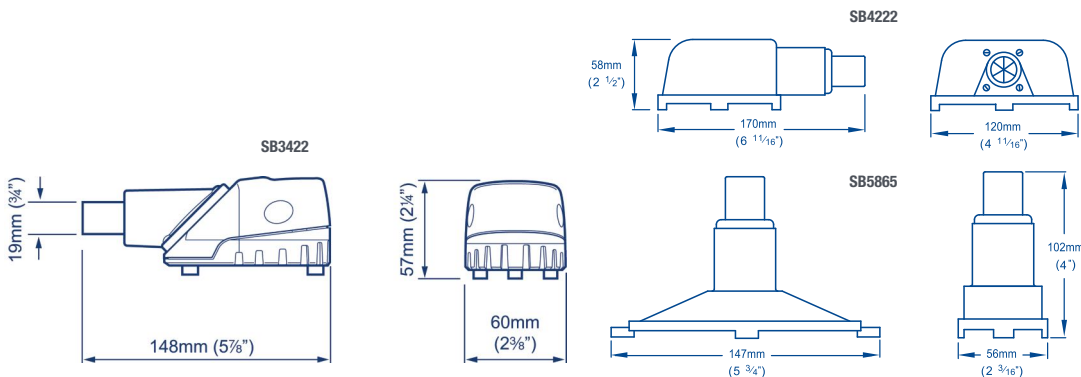
BILGE STRAINERS / STRUM BOXES

¾" (19mm) Strainer with Multi-Directional Port and Non-Return Valve

1" (25mm) / 1½" (38mm) Strainers with Top or Side Entry



Model	Multi-Directional	Top Entry	Side Entry
PART NUMBER	SB3422	SB5865	SB4222
Hose connection	19mm (¾")	25mm (1") / 38mm (1½")	
Materials	Polypropylene, Nitrile, Stainless Steel		



A COMPREHENSIVE RANGE OF BILGE PUMP COVERS

- ▶ Provides a neat cover over manual bilge pumps
- ▶ Aesthetic designs
- ▶ Manufactured from UV stabilised plastic
- ▶ Snap-shut lid remains closed when pump is not in use

Deckplate Selector			
PART NUMBER	Model	Materials	For use with
DP8904	Plastic 4 Hole Model	PBT	Gusher® Urchin, Gusher® Titan, Gusher® 10
DP3804	Metal 4 Hole Model	Cast Aluminum LM6	Gusher® 10, Gusher® 30 (BP3020)
DP9905	Plastic 6 Hole Deck Ring	Acetal	MK5 Underdeck BP0535 / MH5560
DP9906	Plastic 4 Hole Covered Model	PBT	MK5 Universal
AS0356	Plastic 4 Hole Model	PBT	Compac 50
AS3020	Includes DP3804 + Bridge Selection	Cast Aluminum LM6	Gusher® 30 (BP3020)



DP8904



DP3804



DP9905



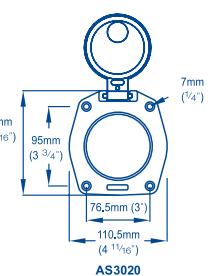
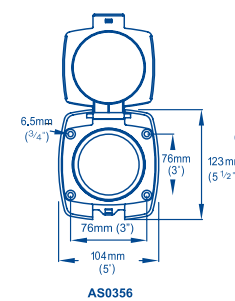
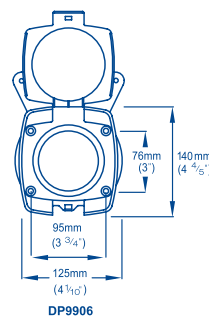
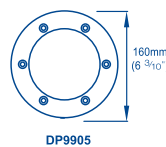
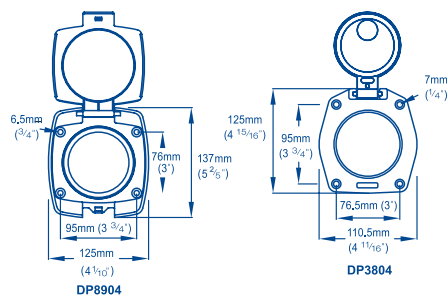
DP9906



AS0356



AS3020



FRESHWATER





THE ONE STOP FOR YOUR COMPLETE FRESHWATER SYSTEM

Whale's wide range of freshwater pumps, plumbing and accessories offer all you need for a smooth and constant freshwater supply on board. Our range includes a variety of manual and electric pumps with various flow rates and pressure settings to best suit your boat. Our extensive range allows you to fit a complete Whale system from plumbing, pumps and filters to faucets and showers.

WATERMASTER® AUTOMATIC PRESSURE PUMP

Delivers smooth consistent flow and runs dry without damage

- ▶ Easy installation - suitable for 15mm Quick Connect plumbing or ½" threaded connection
- ▶ Self-priming up to 3m (10ft)
- ▶ Delivers smooth constant flow
- ▶ Mounting feet rotate to suit your installation
- ▶ IP67 sealed protective motor housing with integrated pressure switch

Model	Watermaster			
PART NUMBER	FW0814	FW1214	FW1215	FW1225
Weight	1.5kg (3.3lbs)			
Voltage	12V d.c.			24V d.c.
Fuse size	5 amps	7.5 amps		5 amps
Cable size	2.5mm ² (14AWG)			
Hose connection	Whale Quick Connect 15mm Female Connections 2 x ½" threaded connections and 2 x ½" barbed connections included			
Materials	Pump Body: Glass-filled Polypropylene, Pump Internal: PBT, Motor Casing: Stainless Steel, Diaphragm, Valves, Feet: Monprene, Seals: Nitrile®, Fasteners: Stainless Steel			
Materials in contact with fluid	Pump Body: Glass-filled Polypropylene, Pump Internal: PBT, Valves: Monprene®, Seals: Nitrile, Fasteners: Stainless Steel			
Service kits	AK1316 - Replacement Head, AK1319 - Replacement Strainer (for freshwater)			

	Performance			
PART NUMBER	FW0814	FW1214	FW1215	FW1225
Maximum system pressure	2 bar (30 psi)		3 bar (45 psi)	
Open flow rate per minute	8 ltrs (2 US Gals)	11.5 ltrs (3 US Gals)	11.5 ltrs (3 US Gals)	

For further guidance on the selection of the correct pump, please see page 120

WARRANTY 2 YEARS

- ▶ CE Certified
- ▶ ISO 8846
- ▶ ISO 10133
- ▶ ABYC H-23
- ▶ IP67



FRESHWATER

FILTER AND FITTINGS INCLUDED



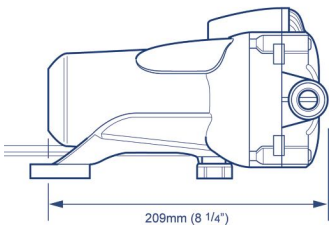
1 X STRAINER



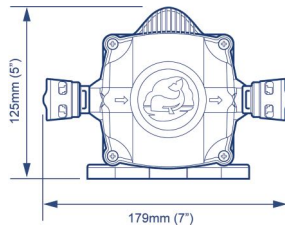
2 X 1/2" THREADED CONNECTORS



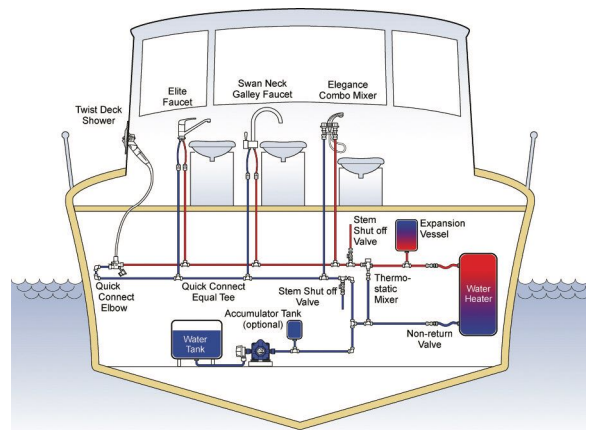
2 X 1/2" BARBED CONNECTORS



SIDE VIEW



FRONT VIEW



TYPICAL INSTALLATION

SUBMERSIBLE AND INLINE IMPELLER RANGE

Whale's high flow long life submersible and inline galley pumps

- ▶ Narrow design ideal to drop into your water tank
- ▶ Compact, quiet, lightweight design suitable for use with pressure switch and microswitch systems
- ▶ Inexpensive way to upgrade your manual water system
- ▶ Also suitable for pumping diesel
- ▶ Low power consumption

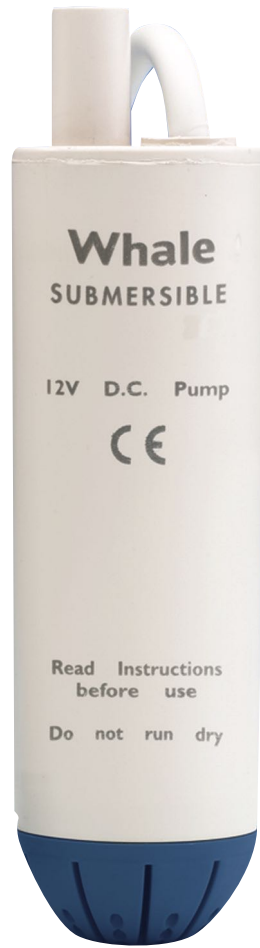
Model	Standard		Premium				High flow	
PART NUMBER	GP1002		GP1352	GP1392	GP1354	GP1394	GP1652	GP1692
Pump type	Sub		Sub	Inline	Sub	Inline	Sub	Inline
Weight	0.15kg (0.3lbs)							
Voltage	12V d.c.				24V d.c.		12V d.c.	
Recommended fuse size	5 amps				3 amps		5 amps	
Cable length	1m (3ft)							
Hose connection	Suitable for 10mm (3/8") or 13mm (1/2") Flexible Hose Use WX1511B (Stem Adaptor 11mm-15 mm) Connect WX1504 (15mm (5/8) Equal Straight)							
Materials in contact with fluid	Pump Body: ABS, Seals: Nitrile, Strainer: Polypropylene, Impeller: PBT, Cable: PVC							
Filter included	No		Yes	No	Yes	No	Yes	No

Performance							
PART NUMBER	GP1002	GP1352	GP1392	GP1354	GP1394	GP1652	GP1692
Discharge head	Flow rate per minute/ current draw @12v d.c.	Flow rate per minute/ current draw @12V d. c.		Flow rate per minute/ current draw @24V d. c.		Flow rate per minute/ current draw @12V d.c.	
0m (0ft)	10.3 ltrs (2.7 US Gals) 2.4 amps	13.2 ltrs (3.5 US Gals) 3.6 amps		13.2 ltrs (3.5 US Gals) 1.8 amps		15.8ltrs (4 US Gals) 3.8 amps	
1m (3ft)	8 ltrs (2 US Gals) 2.2 amps	11.75 ltrs (3 US Gals) 3.3 amps		11.75 ltrs (3 US Gals) 1.6 amps		14.8ltrs (4 US Gals) 3.7 amps	
3m (10ft)	5.75 ltrs (1.5 US Gals) 2 amps	9.75 ltrs (2.7 US Gals) 2.9 amps		9.75 ltrs (2.7 US Gals) 1.45 amps		12.8ltrs (3.5 US Gals) 3.5 amps	

For further guidance on the selection of the correct pump, please see page 119

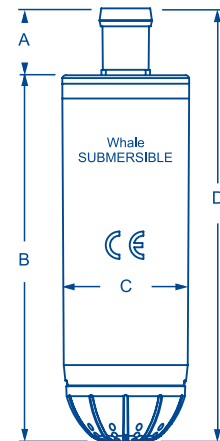
WARRANTY 1 YEAR

- ▶ CE Certified
- ▶ ISO 8846
- ▶ ISO 10133
- ▶ ABYC H-23
- ▶ IP67



FRESHWATER

	A	B	C	D
Standard	20mm (3/16")	88mm (3 7/16")	36mm (1 7/16")	108mm (4 1/4")
Premium/High Flow	20mm (3/16")	109mm (4 5/16")	36mm (1 7/16")	129mm (5 1/16")



SMOOTH CONSTANT FLOW IN ONE INTEGRATED KIT

Reduces water hammering and cycling

- ▶ Combined pump and accumulator tank ensure a smooth even flow of water to all outlets
- ▶ Compact design installs easily in convenient locations
- ▶ Reduced noise and vibration by preventing pump cycling
- ▶ Easily plumbed into standard ½" or ¾" pipework
- ▶ Can be fitted to new or existing systems
- ▶ Pump available separately

Model	Accumulator Kits					
PART NUMBER	UF2214	UF2215	UF2224	UF2225	UF2015	UF8025
Accumulator tank size	2 ltrs (0.53 US Gals)				8 ltrs (4.75 US Gals)	
Weight	3.9kg (8.5lbs)				5.4kg (11.9lbs)	5.9Kg (13lbs)
Voltage	12V d.c.		24V d.c.		12V d.c.	24V d.c.
Fuse size	10 amps		5 amps		8 amps	8 amps
Cable size	1.5mm ² (16AWG)					
Hose connection	Whale Quick Connect 15mm Female For (½"), Flexible Hose, Use WX1584 (supplied with kit), For ¾" Flexible Hose, Use WU1215 and WU1280 (not supplied with kit)					
Materials	Pump Body: Glass-filled Polypropylene Aluminium and Powder-coated Steel, Diaphragms: Santoprene®, Valves and Feet: Monoprene®, Seals: Nitrile, Tank: Butyl, Base: ABS, Fittings: Brass, Fasteners: Stainless Steel					
Materials in contact with fluid,	Glass-filled Polypropylene, Monprene®, Nitrile, Stainless Steel, Brass, Santoprene®					
Service kits	AK1316 - Replacement Head, AK1317 - Microswitch Kit, AK1319 - Replacement Strainer (for freshwater), PT0200 - Accumulator Tank					

Performance						
PART NUMBER	UF2214	UF2215	UF2224	UF2225	UF2015	UF8025
Maximum suction lift	3m (10ft)					
Maximum discharge head	20m (66ft)	30m (99ft)	20m (66ft)	30m (99ft)	20m (66ft)	30m (99ft)
Cut out pressure	2 bar (30 psi)	3 bar (45 psi)	2 bar (30 psi)	3 bar (45 psi)	3 bar (45 psi)	3 bar (45 psi)
Factory pre-charge pressure (+/-0.14 bar +/-2 psi)	1.5 bar (22 psi)	2.2 bar (32 psi)	1.5 bar (22 psi)	2.2 bar (32 psi)	1.4 bar (20 psi)	2.2 bar (32 psi)
Open flow rate per minute	11.5 ltrs (3 US Gals)				12 ltrs (3 US Gals)	18 ltrs (5 US Gals)

For further guidance on the selection of the correct pump, please see page 120

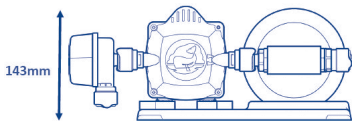
WARRANTY 2 YEARS

- ▶ CE Certified
- ▶ ISO 8846
- ▶ ISO 10133
- ▶ ABYC H-23

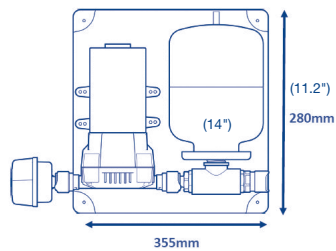


FRESHWATER

MODELS:
UF2214, UF2215, UF2224, UF2225



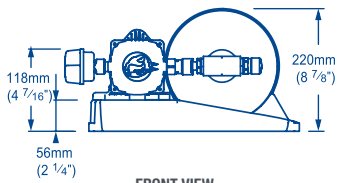
FRONT VIEW



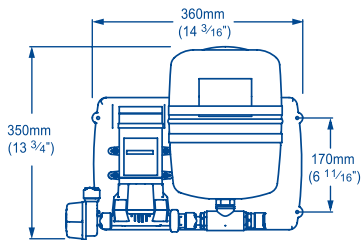
PLAN VIEW



MODELS:
UF2015, UF8025



FRONT VIEW



PLAN VIEW

DOUBLE STACK FRESHWATER PUMP SYSTEM

Twin pump design efficiently delivers smooth water flow in vessels with up to 8 outlets

- ▶ Fast installation - pre-assembled system
- ▶ Reduces noise and vibration by preventing pump cycling
- ▶ Small footprint - ideal for installation in tight spaces
- ▶ Unique mounting bracket ensures compact footprint and includes vibration reducing feet
- ▶ Robust industrial grade external pressure switches are ignition protected and require no relays

Model	High Capacity Freshwater Kit			
PART NUMBER	UF2415B	UF2425B	UF3615B	UF3625B
Accumulator tank size	2 ltrs (0.53 US Gals)			
Weight	8.7kg (19lbs)		9.8kg (22lbs)	
Voltage	12V d.c.	24V d.c.	12V d.c.	24V d.c.
Recommended fuse size per pump	10 amps	5 amps	12 amps	8 amps
Hose connection	19mm (¾") barb			
Cable size	2.5mm ² (20AWG)			
Materials	Pump Body: Glass-filled Polypropylene Aluminium and Powder-coated Steel Diaphragms: Santoprene®, Valves and Feet: Monoprene®, Seals: Nitrile®			
Materials in contact with fluid	Glass-filled Polypropylene, Monprene®, Nitrile®, Stainless Steel, Brass, Santoprene®			
Service kits	AK1314 - Low Pressure Switch, AK1315 - High Pressure Switch, AK2415 - 12L 12V Pump, AK2425 - 12L 24V Pump, AK3615 - 18L 12V Pump, AK3625 - 18L 24V Pump, PT0200 - Accumulator Tank			

Model	Performance			
PART NUMBER	UF2415B	UF2425B	UF3615B	UF3625B
Maximum discharge head	3m (10ft)			
Maximum suction lift	20m (66ft)	30m (99ft)	20m (66ft)	30m (99ft)
Cut out pressure	Pump 1: 3 bar (45 psi) Pump 2: 2 bar (30 psi)			
Cut in pressure	Pump 1: 2 bar (30 psi) Pump 2: 1.4 bar (20 psi)			
Factory pre-charge pressure	2.2 bar (32 psi)			
Open flow rate per minute	24 ltrs (6.3 US Gals)		32 ltrs (8.4 US Gals)	
No. of outlets	Up to 6		Up to 8	

3m (10ft)

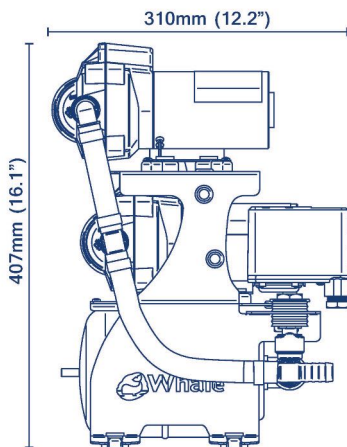
For further guidance on the selection of the correct pump, please see page 120

WARRANTY 2 YEARS

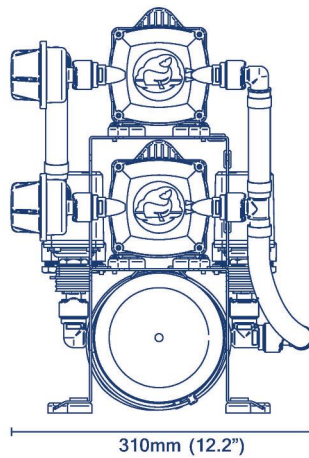
- ▶ CE Certified
- ▶ ISO 8846
- ▶ ISO 10133
- ▶ ABYC H-23



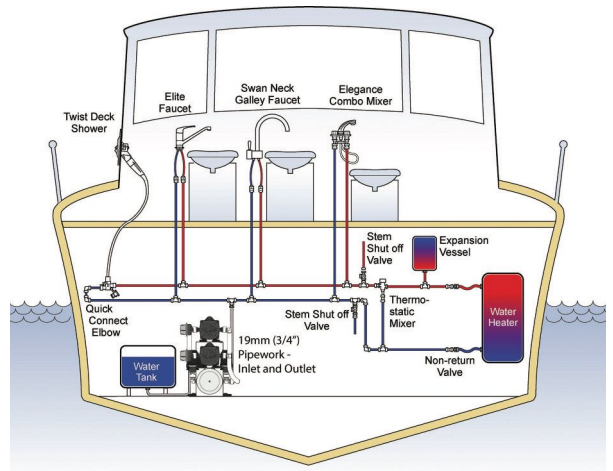
FRESHWATER



SIDE VIEW



FRONT VIEW



TYPICAL INSTALLATION

SIMPLE HAND OPERATED SOLUTION FOR PUMPING WATER IN THE GALLEY

Narrow mounting base allows installation for use between two sinks

- ▶ Ideal where space is limited
- ▶ Angled spout and adjustable height provide various options for installation
- ▶ Useful as a back-up pump or for a simple freshwater supply
- ▶ Suitable for freshwater and saltwater
- ▶ Extended spout makes for easy filling of containers

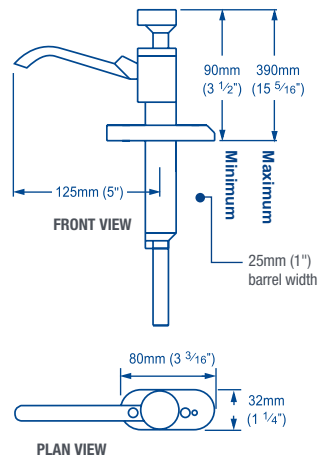
Model	V Pump MK7
PART NUMBER	GP0650
Weight	0.26kg (0.6lbs)
Hose connection	Suitable for Quick Connect 15mm plumbing or 13mm (½") Flexible hose
Materials	Pump Body: Acetal, Pump Barrel: Anodized Aluminium Alloy Seals: Neoprene, Nitrile, Fasteners: Stainless Steel
Service kits	AK0618 - Service Kit for V Pump, MK5, MK6 and MK7 Models Contains: Diaphragm, Seals, Fastener

	Performance
PART NUMBER	GP0650
Maximum suction lift	3m (10ft)
Maximum discharge head	4m (13ft)
Maximum flow rate per minute	8 ltrs (2.2 US Gals)

For further guidance on the selection of the correct pump, please see page 119

WARRANTY 5 YEARS

- ▶ CE Certified



FRESHWATER

SIMPLE HAND OPERATED SOLUTION FOR PUMPING WATER IN THE GALLEY

- ▶ Swivelling outlet - ideal for installing between two sinks
- ▶ Precise flow control
- ▶ Easy operation - light back and forth pump action
- ▶ Suitable for fresh and saltwater

Flipper Pump MK4	
PART NUMBER	GP0418
Weight	0.26kg (0.6lbs)
Hose connection	Suitable for 13mm (½") Flexible hose
Materials	Pump Body: Acetal, Nylon, Polypropylene LM6 Aluminium Alloy, Stainless Steel, ABS, Brass, Seals: Neoprene, Nitrile, Fasteners: Stainless Steel
Service kits	AK0405 - Service Kit for Flipper Mk3 and Mk4 Models Contains: Diaphragm, Seals, Screws, AS0406 - Flipper Overhaul Kit

Performance	
PART NUMBER	GP0418
Maximum suction lift	3m (10ft)
Maximum discharge head	3m (10ft)
Maximum flow rate per minute	7 ltrs (1.9 US Gals)

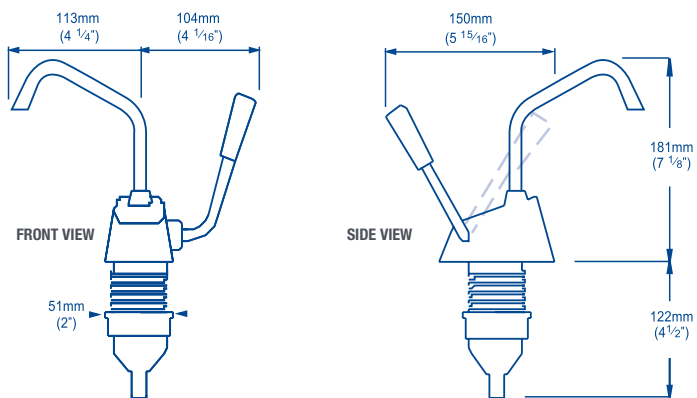
For further guidance on the selection of the correct pump, please see page 119

WARRANTY 5 YEARS

- ▶ CE Certified



FRESHWATER



SIMPLE FOOT OPERATED SOLUTION FOR PUMPING WATER IN THE GALLEY

Whale manual self priming galley foot pump

- ▶ Self primes and operates dry without damage
- ▶ Easy, smooth hands-free operation. Left and right oriented foot lever versions available
- ▶ Ease of installation - multi-directional inlet and outlet hose connections
- ▶ 3 mounting options
- ▶ Suitable for fresh and saltwater
- ▶ Ideal as a priming pump for use with Whale inline impeller electric pumps (see page 46)

	Gusher Galley MK3	
PART NUMBER	GP0550	GP0551
Lever mounting	Right	Left
Weight	0.7kg (1.5lbs)	
Hose connection	Suitable for Connection to Whale Quick Connect 15mm Plumbing or 13mm (½") Flexible hose	
Materials	Pump Body: Acetal, Nylon. Lever: LM6 Aluminium Alloy Diaphragm: Nitrile, Neoprene, Fasteners: Stainless Steel	
Service kits	AK0553 - Service Kit for Gusher® Galley (suitable for MK3 only) Contains: Diaphragm, Valves and Seals AS0556 - Piston and Operating Kit	

	Performance
PART NUMBER	GP0550 / GP0551
Maximum suction lift	2m (6ft)
Maximum discharge head	3m (10ft)
Maximum flow rate per minute	15 ltrs (4 US Gals)

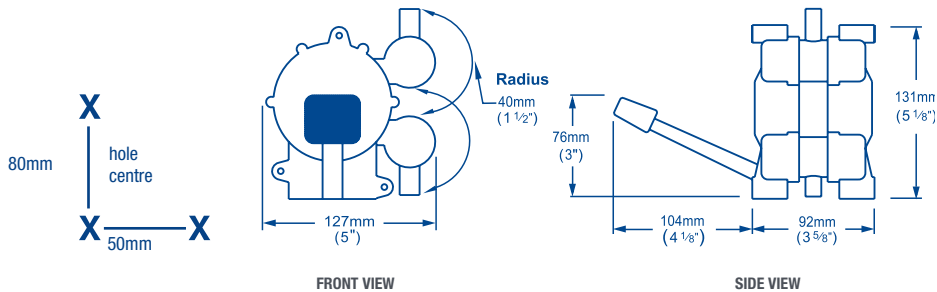
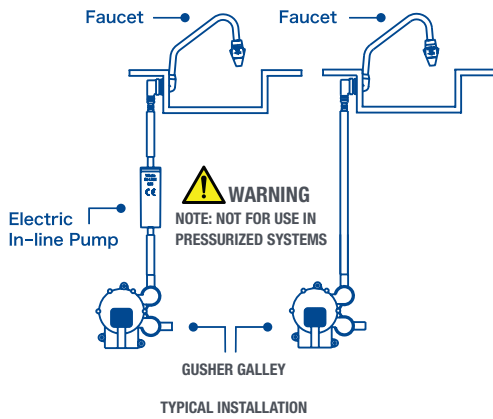
For further guidance on the selection of the correct pump, please see page 119

WARRANTY 5 YEARS

▶ CE Certified



FRESHWATER



SIMPLE FOOT OPERATED SOLUTION FOR PUMPING WATER IN THE GALLEY

- ▶ Smooth and easy operation
- ▶ Compact for installing in confined spaces
- ▶ Ideal as a priming pump for use with Whale inline impeller electric pumps (see page 46)
- ▶ The ideal foot pump for a simple freshwater system

	Babyfoot
PART NUMBER	GP4618
Weight	0.3kg (0.7lbs)
Hose connection	Suitable for 13mm (½") Flexible Hose
Materials	Pump Body: Nylon, Ports: Acetal, Seals: Neoprene Fasteners: Stainless Steel, Phosphor Bronze
Service kits	AK4615 - Service Kit for Babyfoot® Pump Contains: Diaphragm Valves, O Rings, Spring, Fasteners

	Performance
PART NUMBER	GP4618
Maximum suction lift	1.5m (5ft)
Maximum discharge head	3m (10ft)
Maximum flow rate per minute	8 ltrs (2.2 US Gals)

For further guidance on the selection of the correct pump, please see page 119

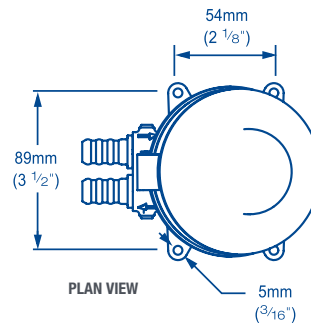
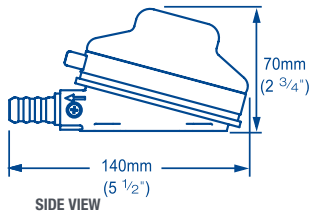
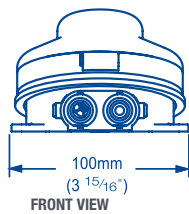
WARRANTY 5 YEARS

- ▶ CE Certified



FRESHWATER

 **WARNING**
NOTE: NOT FOR USE IN
PRESSURIZED SYSTEMS



WATER HEATERS





FOR ALL YOUR WARM WATER NEEDS ONBOARD

As an expert in water systems, Whale is proud to offer a complete line of water heaters suited for the harsh marine environment. Available in several capacities and material finishes for any installation, we have the right water heater for your boat.

12V WATER HEATER

HOT WATER ON THE GO FOR OUTBOARD BOATS

Whale's unique 12V Water Heater (3 US Gals) is ideal for use on outboard boats, delivering fast water heat up and long heat retention for all your hot water needs on board

12V Power Supply

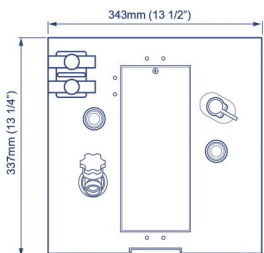
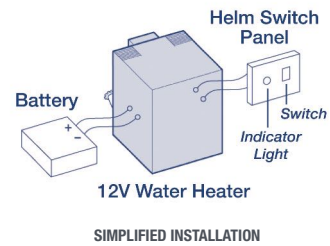
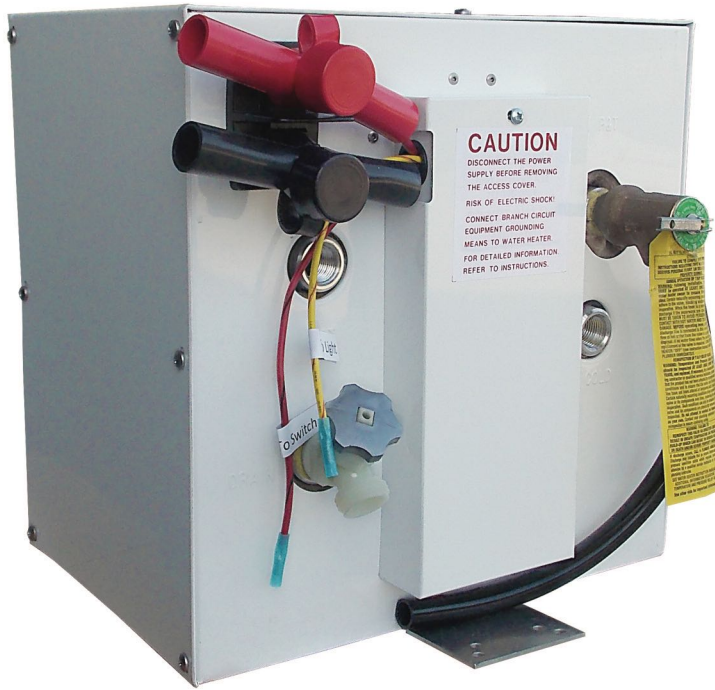
- ▶ No generator / inverter / shore power required
- ▶ Rapid heat up - hot water in less than 1 hour*
- ▶ Ideal for use with deck showers - perfect for warming wetsuits
- ▶ Safety features - low current switching, integrated temperature and pressure valve, thermal cut-out, heating indication output and ignition protect (ABYC E-11)
- ▶ Compact design - fits in small places

Model	12V Electric Water Heater
PART NUMBER	S360EW
Capacity	12 ltrs (3 US Gals)
Weight	11lbs (5kg)
Voltage	12V d.c. (300W)
Fuse size	35 amps
Current draw	30 amps
Connections	½" NPT Female For connection to 15mm Quick Connect use WX1514
Materials	Tank - Aluminium, Casing - White Powder Coated Aluminium

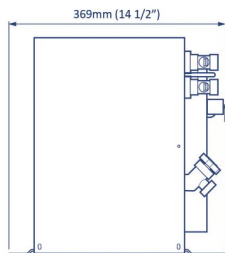
*Based on Whale in-house laboratory testing

	Performance
Maximum water temperature	140°F (60°C)
Temperature & pressure valve specifications	210°F (99°C), 75 psi (5.2 bar)
Maximum tested pressure	300 psi (20.7 bar)*

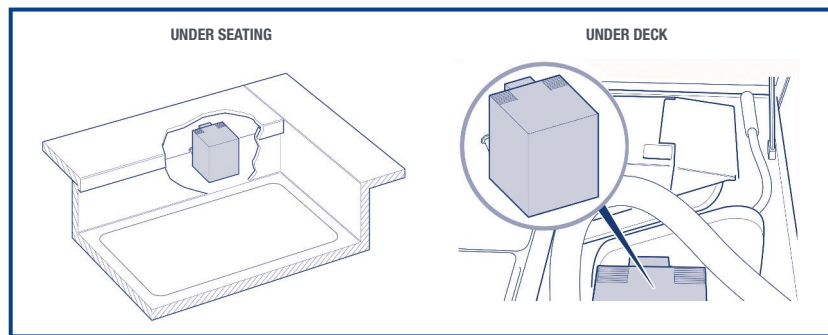
WARRANTY 2 YEARS



FRONT VIEW



SIDE VIEW



TYPICAL INSTALLATION

SHOWERS AND FAUCETS





FAUCETS, INTERIOR SHOWER AND DECK OR TRANSOM SHOWERS FOR ADDED LUXURY ONBOARD

Our extensive range of marine grade faucets and showers means we have the model to suit you, from lightweight ABS faucets to the award-winning Whale Twist innovative deck shower, Whale have you covered.

ELEGANCE FAUCET RANGE

LIGHTWEIGHT AND DURABLE ABS FAUCETS IDEAL FOR TIGHT SPACES

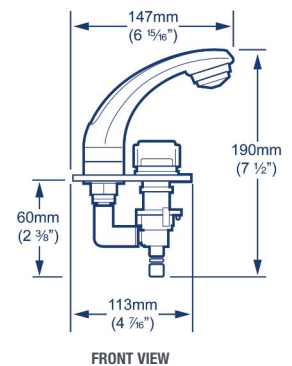
WARRANTY 1 YEAR

- ▶ Robust ABS construction
- ▶ Designed for use with all types of galley pumps
- ▶ Easily connects to Whale Quick Connect pipework
- ▶ Choice of single or mixer faucets



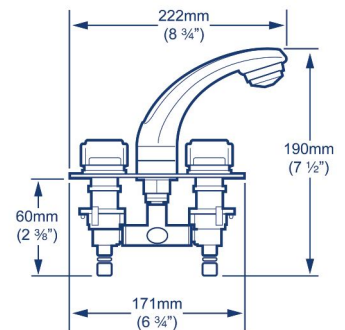
RT1210
ELEGANCE - COLD ONLY

SINGLE FAUCET COLD ONLY



FRONT VIEW

MIXER FAUCET STANDARD OUTLET



FRONT VIEW

Model	Elegance Faucet	
PART NUMBER	RT1210	RT2210
Model	Single Faucet Cold only	Mixer Faucet Standard Outlet
Hose connection	Standard Connection 13mm (1/2") Threaded, Connection to Quick Connect 15mm: WX1532, Connection to Flexible Hose 13mm (1/2"): WX1532 or WX1584B	
Materials	Body: ABS, Spout and Valves: Acetal, Seals: Neoprene	
Materials in contact with fluid	Body: ABS, Spout and Valves: Acetal, Seals: Neoprene	
Service kits	AK5030 - Complete Serviceable Parts Kit, RT9000 - Microswitch Kit (2 switches)	
Accessories	RT9000 - Microswitch	
Base plate	113mm x 55mm (4 7/16" x 2 1/8")	171mm x 62mm (6 3/4" x 2 1/2")
Depth beneath surface	60mm (2 3/8")	60mm (2 3/8")

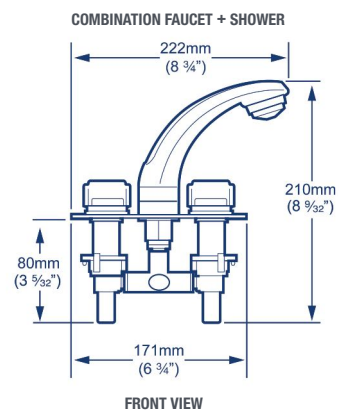
LIGHTWEIGHT AND DURABLE ABS SHOWERS

WARRANTY 1 YEAR

- ▶ Water saving rose allows temporary shut off to conserve water
- ▶ Designed for use with all types of galley pumps
- ▶ Connects to 3/8" or 1/2" hose connections
- ▶ Choice of single or mixer faucets
- ▶ Extra-long retractable hose for neat installation



Model	Elegance Faucet and Shower
PART NUMBER	RT2498
Model	Mixer Combination Faucet/Shower
Hose connection	Standard Connection 13mm (1/2") Threaded, Connection to Quick Connect 15mm: WX1532, Connection to Flexible Hose 13mm (1/2"): WX1532 or WX1584B
Materials	Body: ABS, Spout and Valves: Acetal, Seals: Neoprene
Materials in contact with fluid	Body: ABS, Spout and Valves: Acetal, Seals: Neoprene
Service kits	AS5133 - Replacement Handset 1/2" BSP Threaded (white) AS5146 - Replacement Hose Assembly 1.7m (5 3/8"ft) Long (white)
Accessories	RT9000 - Microswitch
Base plate	171mm x 62mm (6 3/4" x 2 1/2")
Depth beneath surface	80mm (3 1/8")



AN AWARD WINNING RADICAL INNOVATION IN DECK SHOWERS. THE TWIST PUTS CONTROL IN YOUR HANDS WITH ITS UNIQUE HANDSET INCORPORATING TEMPERATURE AND FLOW CONTROL IN A SINGLE EASY TO USE UNIT

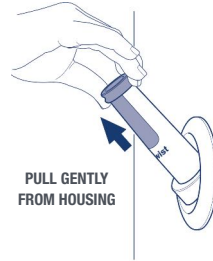
- ▶ Robust ABS construction, easy to use - streamlined ergonomic design using high quality UV resistant ASA materials
- ▶ No lids or covers - Deck Protect end cap creates a splash proof seal
- ▶ Two housing options - horizontal discrete bezel style or vertical mounting that adapts to flat or curved surfaces
- ▶ Whale Twist Deck Shower is quick and easy to install
- ▶ Mixer models include a temporary shut off valve as standard

Model	Whale Twist	
PART NUMBER	DS0005	DS0006
Model	Cold only Flexible Hose	Mixer Hot and Cold Patented D Hose
Weight	0.13kg (0.3lbs)	0.2kg (0.45lbs)
Hose connection	¾" BSP Female / 15mm Quick Connect Male	(½") Threaded Connection
Materials	Handset: ASA, Internal Parts: TPE, Nitrile, POM, Hose: Reinforced Polyurethane, Hose Connections: PBT, End Cap: Chromed ABS, Straight Housing: Chromed ABS, Glass-Filled Polypropylene, Angled Housing: ASA, Screws and Hose Clips: Stainless Steel	
Materials in contact with fluid	Handset: ASA, Internal parts: TPE, Nitrile, POM, Hose: Reinforced Polyurethane, Hose Connections: PBT, End Cap: Chromed ABS, Straight Housing: Chromed ABS	
Hose length	2.1m (6.9ft)	2.5m (8.2ft)
Accessories	AK0015 Twist stowage bag	
Retail individual pack contains	Whale Twist Deck Shower Cold only (Pale grey / white) with 2.1 m (6.9 ft) white hose. Includes straight housing (chrome) and angled housing (white) options	Whale Twist Deck Shower - Mixer (Pale grey / white) with 2.5 m (8.2 ft) white hose. Includes straight housing (chrome) and angled housing (white) options

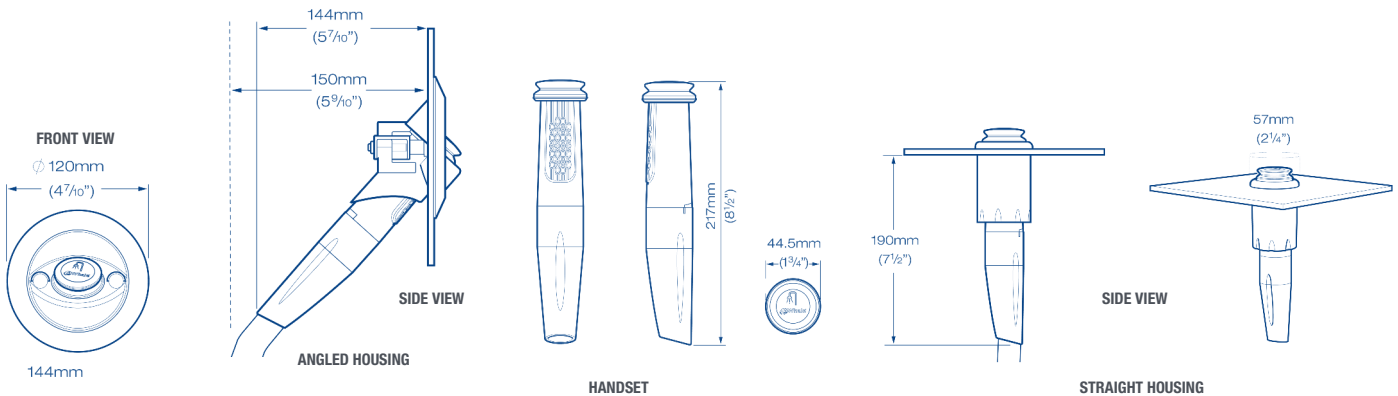
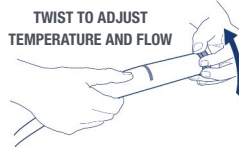
WARRANTY 1 YEAR



HOW TO USE



TWIST TO ADJUST TEMPERATURE AND FLOW



SWIM 'N' RINSE COMPACT DECK / TRANSOM SHOWER

IDEAL FOR INSTALLATION WHERE SPACE IS LIMITED ON DECK AND BEHIND THE BULKHEAD

WARRANTY 1 YEAR

- ▶ Simply swim and rinse without wasting water - press the trigger to only use the water you need
- ▶ Crisp and clean - chrome and white finish. Highest quality finish - stabilized PVC cover
- ▶ Extra-long hose allows you to fit in most convenient location on deck
- ▶ Simple installation - standard size circular holes to drill
- ▶ Standard connections - suitable for 3/8" BSP threaded connections / Whale Quick Connect 15mm plumbing

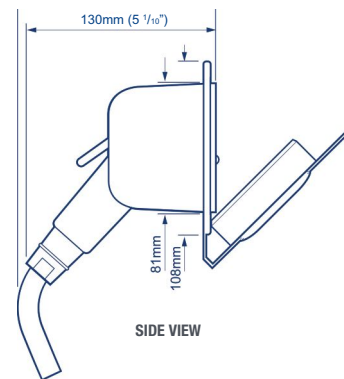
Model	Swim 'n' Rinse Compact Shower
PART NUMBER	RT3000
Model	Rubber Cover (cold only)
Weight	0.53kg (1.2lbs)
Hose connection	3/8" Adaptor x Female Adaptor 13mm (1/2") Connection to Quick Connect 15mm: WX1583B
Materials	Internal Components: Acetal Copolymer, Stainless Steel 304, Housing UV Stabilized Polypropylene, Cover: LDPE, Fixings: Stainless Steel
Materials in contact with fluid	Internal Components: Acetal Copolymer, Stainless Steel 304, Housing UV Stabilized Polypropylene
Service kits	AS5133 - Replacement Handset 1/2" BSP Threaded (white) AS5146 - Replacement Hose Assembly 1.7m (5 9/16" ft) Long (white)
Diameter of mounting hole	80mm (3 1/8")
Depth beneath surface	130mm (5 1/10")



SAVE WATER ON BOARD
- ONE TOUCH TRIGGER
HANDSET TO CONSERVE
WATER DURING SHOWERING



CLOSED COVER



SIDE VIEW

RT3000
WHALE SWIM 'N' RINSE COMPACT SHOWER
RUBBER COVER (COLD ONLY)

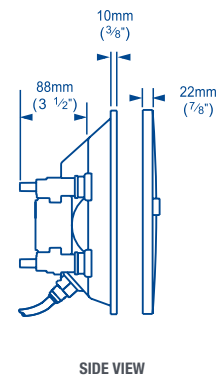
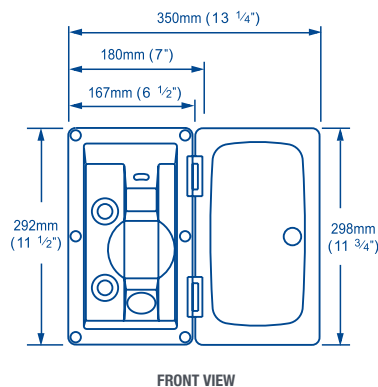
SWIM 'N' RINSE TRANSOM SHOWER

LIGHTWEIGHT AND DURABLE ABS EXTERIOR SHOWER RANGE

WARRANTY 1 YEAR

- ▶ Designed for easy rinse down after swimming
- ▶ Fit in convenient locations on deck - extra long 2.1m (7ft) hose
- ▶ Save water on board - On/Off control on shower handset allows you to set temperature and only use the water you need
- ▶ Available with/without cover, neat hinged cover with latch to close
- ▶ Simple connection to either Whale Quick Connect 15mm pipework / 1/2" hose connection

Model	Swim N' Rinse Transom Shower	
PART NUMBER	RT2648	RT2658
Model	Hot and Cold Mixer (no cover)	Hot and Cold Mixer (cover included)
Weight	1.02kg (2.2lbs)	1.22kg (2.7lbs)
Hose connection	1/2" Male Threaded (BSP / NPT)	
Hose length	2.1m (7ft)	
Base plate	167mm x 292mm (6 1/2" x 11 1/2")	
Depth beneath surface	88mm (3 1/2")	



FRESHWATER ACCESSORIES

Fit Whale high quality pumps and accessories to ensure long term reliability from pump to faucet. Whale water filters, surge dampers, pressure switches and one-way valves are designed and manufactured to the highest quality specification. Combine these accessories with your Whale water pump for a home from home water supply on board.

INLINE WATER FILTERS

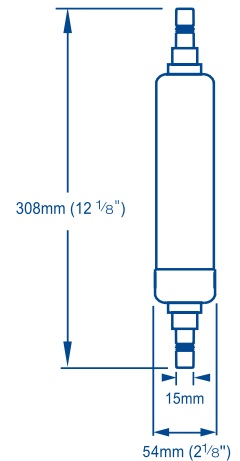
AQUASOURCE CLEAR WATER FILTER - WF1530

For refreshing tasting water on board

- ▶ Silverised carbon filter - removes nasty tastes and smells
- ▶ Connects directly to 15mm Quick Connect Plumbing / 1/2" (13mm) flexible hose (using stainless steel hose clips)



WF1530



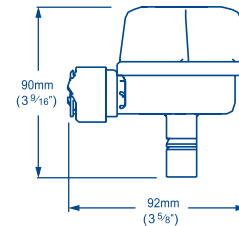
PUMP STRAINER

INLET STRAINER REPLACEMENT - AK1319

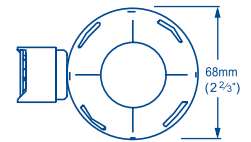
For use with Watermaster and Universal Pressure Pumps



AK1319



SIDE VIEW



PLAN

INLINE PRESSURE SWITCH - WU7207

For use with submersible or inline self venting pumps in a pressurized water system

- ▶ Controls the pump by sensing changes in system pressure
- ▶ Suitable for: 12V d.c. 10 amps, 24V d.c. 5 amps
- ▶ Maximum pressure: 2 bar (30 psi)
- ▶ Materials: body: acetal, seals and valves: Nitrile, EPDM spring: phosphor bronze, fasteners: stainless steel

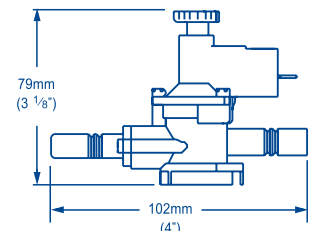
Note: must be mounted in a vertical position



WU7207



SIDE VIEW



PLAN

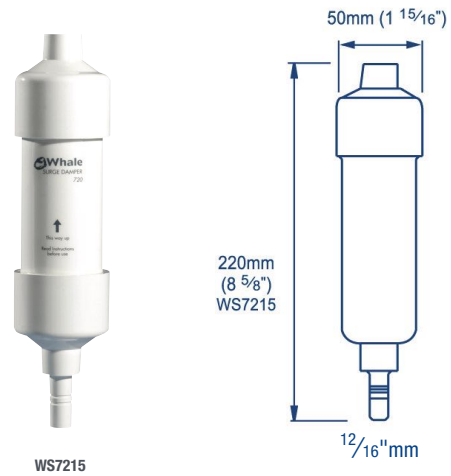
EXPANSION VESSELS

SURGE DAMPER - WS7215

For a smooth constant water supply

- ▶ Capacity = 150 ml (0.03 US Gals)
- ▶ Connects directly to 15mm Quick Connect Plumbing / ½" 13mm flexible hose (using stainless steel hose clips)

Note: connect as close to the outlet of the pump as possible or as close to the outlet side of the pressure switch (if fitted)



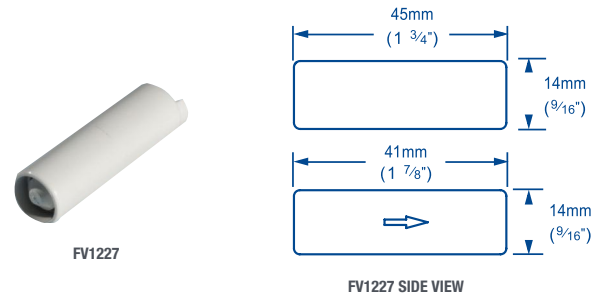
PIPEWORK CONNECTIONS

ONE WAY CHECK VALVE - FV1227 FOR 13MM (½") FLEXIBLE HOSE (WHITE)

Fit inline to maintain prime for short periods

- ▶ Ideal for use with electric pumps
- ▶ Suitable for connection to 13mm (½") flexible hose
- ▶ Ensure the valve is installed with the arrow pointing in direction of water flow

Note: low restriction design will have a small drip return



ACCESSORIES FOR TAPS AND SHOWERS

MICROSWITCH KIT - RT9000

For Elegance range and Swim 'n' Rinse Showers see pages 68, 69, 73



ACCESSORIES - FOR DECK SHOWERS

TWIST STOWAGE BAG - AK0015

For use with Twist Deck Shower

- ▶ Neat storage of DS0005 / DS0006 - see pages 70 - 71

Note: this product is only suitable for use with 2.5m (8.2ft) hose Whale Twist models



WASH DOWN









**EASY TO USE PRODUCTS THAT DELIVER GREAT
PERFORMANCE TO WASH DOWN YOUR DECK, INCLUDING
WHALE'S MOST POWERFUL WASH DOWN KIT YET**

Whale's high flow wash down pump range and ergonomic trigger spray handsets deliver great performance to wash down your deck.

HIGH PRESSURE WASH DOWN RANGE

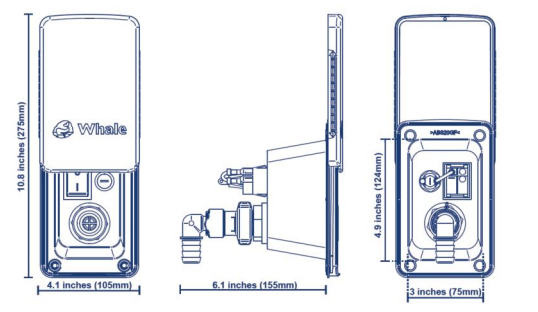
TARGETED HIGH PRESSURE WASH DOWN RANGE FOR EFFECTIVE CLEANING

- ▶ Smooth constant flow
 - 13 ltrs/min (3.5 US Gals), 4.0 bar (60 psi)
 - 17 ltrs/min (4.5 US Gals), 4.8 bar (70 psi)
- ▶ Soft, non-slip trigger with deck protect nozzle, adjustable jet with push in fittings and dry coupling valve on / off, for a fine spray or a jet of water
- ▶ Easy stow - 7.6m (25ft) compact coiled hose with storage bag
- ▶ Elite Kit includes unique 4 in 1 deck fitting (hose connection, switch, fuse and sliding cover), for easy installation and IP65 rated protection

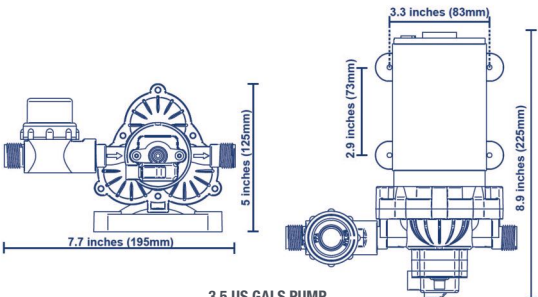
Product Type	Pump Spec	Description	Voltage	Part No.	
Pump Only	13 ltrs/min (3.5 US Gals), 4.0 bar (60 psi)	<ul style="list-style-type: none"> • Pump • Strainer • 2 x ½" barbed connections included 	12V	WD3517P	
	17 ltrs/min (4.5 US Gals), 4.8 bar (70 psi)		12V 24V	WD4517P WD4527P	
Pump and Trigger	13 ltrs/min (3.5 US Gals), 4.0 bar (60 psi)	<ul style="list-style-type: none"> • Pump • Strainer • Adjustable trigger with ergonomic handle & deck protect nozzle • 2 x ½" barbed connections included 	12V	WD3517T	
	17 ltrs/min (4.5 US Gals), 4.8 bar (70 psi)		12V 24V	WD4517T WD4527T	
Standard Kit - with Pump, Trigger and Hose	13 ltrs/min (3.5 US Gals), 4.0 bar (60 psi)	<ul style="list-style-type: none"> • Pump • Strainer • Adjustable trigger with ergonomic handle & deck protect nozzle • 7.6m (25ft) coil hose, storage bag and quick release hose connection • 2 x ½" barbed connections included 	12V	WD3517S	
	17 ltrs/min (4.5 US Gals), 4.8 bar (70 psi)		12V 24V	WD4517S WD4527S	
Elite Kit includes Pump, Trigger, Hose and 4 in 1 Deck Fitting	13 ltrs/min (3.5 US Gals), 4.0 bar (60 psi)	<ul style="list-style-type: none"> • Pump • Strainer • Adjustable trigger with ergonomic handle & deck protect nozzle • 7.6m (25ft) coil hose, storage bag and quick release hose connection • Deck fitting with switch, fuse, hose connection and sliding cover • 2 x ½" barbed connections included 	12V	WD3517E	
	17 ltrs/min (4.5 US Gals), 4.8 bar (70 psi)		12V 24V	WD4517E WD4527E	

WARRANTY 2 YEARS

- ▶ CE Certified
- ▶ ISO 10133
- ▶ IP65



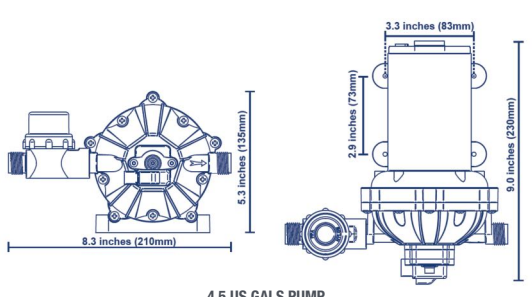
4 IN 1 FITTING



3.5 US GALS PUMP

SIDE VIEW

PLAN VIEW



4.5 US GALS PUMP

SIDE VIEW

PLAN VIEW

PORTABLE PUMP KIT

THE VERSATILE SELF VENTING PORTABLE PUMPING SOLUTION

WARRANTY 1 YEAR

- ▶ ISO 10133
- ▶ ABYC H-23

- ▶ Wash down your boat with ease
- ▶ Great performance low voltage high flow submersible pump
- ▶ Easy to maintain with a wipe clean hose and nozzle
- ▶ Suitable for cold and warm water, diesel, light oils and water-based fluids including most water-based pesticides
- ▶ 3.75m (12.5ft) clear hose, nozzle with adjustable on / off, fine spray or a jet of water

Model	Self Venting Portable Submersible Pump Kit
PRODUCT NUMBER	GP1642
Weight	0.7kg (1.5lbs)
Voltage	12V d.c.
Fuse size	5 amps
Power connection	Crocodile clips and cigar lighter plug
Materials	Stainless Steel, Nitrile, PVC, Polypropylene, ABS

	Performance
PART NUMBER	GP1642
Discharge head	Flow Rate Per Minute and Current Draw
0m (0ft)	15.8 ltrs (4 US Gals) 3.8 amps
1m (3ft)	12.8 ltrs (3.5 US Gals) 3.5 amps



KEEP STORAGE AREAS DRY WITH OUR WATERTIGHT ROBUST DESIGNS - TRIED, TESTED AND TRUSTED FOR DECADES

WARRANTY 1 YEAR

Aluminium models - suitable for sandy environments

TCL2

- ▶ Robust aluminium construction with locking lever
ideal for harsh marine environments

TCL4

- ▶ Reliable watertight seal

TCL4 CLEAR

- ▶ Allows easy inspection without having to open the locker

	Locker Doors		
Model	TCL2	TCL4	TCL4 Clear
PART NUMBER	LD2000	LD4000	LD4002
Diameter	228mm (9")	228mm (9")	228mm (9")
Aperture	179mm (7")	179mm (7")	179mm (7")
Materials	Body: Diecast Aluminium Alloy, Seal: Nitrile	Body: Polycarbonate, Locking Ring: Acetal, Seal: Nitrile	



LD2000



LD4000



LD4002

15 MM



WX1502(B)
15 mm Equal Tee



WX1503(B)
15 mm Equal Elbow



WX1504(B)
15 mm Equal Straight



WX1508B
End Plug (Brass)



WX1509B
Stem Adaptor 12 mm - 15 mm



WX1511B
Stem Adaptor 11 mm - 15 mm



WX1512B
Brass Back Plate



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



WX1521(B)
Stem Tee



WX1522(B)
Stem Elbow



WX1546B
End Stop



WX1571(B)*
3 Way Valve (Brass)



WX1573B*
Shut-off Valve (Brass)



WX1574(B)
Shut-off Valve



WX1575B*
Stem Shut-off Valve (Brass)



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

THREADED 3/4"



WX1516B
Adaptor 3/4" BSP Male



WX1542(B)
Adaptor 3/4" BSP Female



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

THREADED 3/8"



CS1538B
Adaptor 3/8" Plastic BSP Female



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



WX1539B
Stem Adaptor 3/8" Female (Brass)



WX1563(B)
Stem Adaptor 3/8" NPT Male (Brass)



WX1583B
Adaptor 3/8" BSP Male

THREADED 1/2"



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



WX1513B
Adaptor 1/2" NPT Male
(Brass) - 15 mm



WX1514B
Adaptor 1/2" BSP Male - 15 mm



WX1515(B)
Faucet Tail Assembly Adaptor 1/2"
BSP Male - 15 mm



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



WX1524(B)
Stem Adaptor 1/2"
NPT Male (Brass)



WX1531(B)
Elbow Adaptor 1/2" BSP
Female - 15 mm



WX1532(B)
Adaptor 1/2" Female - 15 mm



WX1533B
Adaptor 1/2" BSP Female
(Brass) - 15 mm



WX1534(B)
15 mm Stem with None Return Valve
Adaptor 1/2" NPT Male (Brass)



WX1536B
Adaptor 1/2" BSP (Green)
(Short Wings) Female



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



WX1587(B)
Stem Adaptor 1/2"
BSP Male - 15 mm

Part Numbers Explanation:

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

Note: All brass connectors are lead-free and suitable for potable water unless marked with *

FLEXIBLE HOSE FITTINGS 1/2"



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



WX1584(B)
Stem Adaptor 1/2"
Flexible Hose Male



WX1585B
Tee 1/2" barb X 1/2" barb X 1/2" barb



WX1586B
Tee 1/2" barb X 15 mm WX X 1/2" barb



WX1591(B)
Stem Elbow 1/2" Flexible Hose

FLEXIBLE HOSE FITTINGS 3/4"



WX1555B
Tee 3/4" barb X 3/4" barb X 3/4" barb



WX1556B
Tee 3/4" barb X 15 mm
WX X 3/4" BARB



WX1557B
Tee 3/4" barb X 1/2" barb X 3/4" barb



WX1558B
Tee 1/2" barb X 1/2" barb X 3/4" barb



WX1592(B)
Stem Elbow 3/4" Flexible Hose



WX1593(B)
Stem Adaptor 3/4" Flexible Hose



WX2259B
Adaptor 22 Spigot X 3/4" barb

OTHER CONNECTIONS



WX1517B
3/16" X 24 UNEF Male Faucet Tail Adaptor
(Brass) suitable for Grohe Faucets



WX1535B
Stem Adaptor 1/8" Hose (Brass)
for Windscreen Washer



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



WX1566B
Tank Fitting Assembly



WX2260B
End Stop 22 mm Spigot



WX1528(B)
Adaptor 3/8" - 15 mm

PLUMBING SAFETY FITTINGS



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



WX1599(B)
Thermostatic Mixer Valve 1/2" Male
(Brass) 15 mm and Check Valve /
Non-Return Valve
Note: This product is covered by 1
year warranty

FLEXIBLE HOSE FITTINGS OTHER



WX1548B
3/8" Hose Connector (Brass)



WX1597(B)
Stem Adaptor 3/8" Flexible Hose

COLOUR CODED TUBING



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



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



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



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



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



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



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



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



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



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



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



WX7168B
WHALEX Semi-Rigid Pipework 15 mm
High Performance White 15 m (49.2 ft)

TOOLS



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



WX1569B
Pipework Mounting Clip (White)

WX1565(B)
Pipework Mounting Clip (Black)

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

QUICK CONNECT PLUMBING SYSTEM

Whale Quick Connect fittings provide fast and simple installation, ensuring high integrity, reliable, plumbing system solutions, specifically designed for use in mobile applications.

SAVE TIME AND MONEY BY USING WHALE QUICK CONNECT

- ▶ No pipe inserts or collet clips required, reducing part count, cost and installation time
- ▶ No special tools required to make a watertight connection
- ▶ 10 Year Warranty for peace of mind

RELIABLE AND DURABLE

- ▶ Unique 'Double Gripper' design provides secure lifelong pipework retention even at excessive pressures
- ▶ Innovative 'cage collet' eliminates leaks where fittings are installed close to tight bends
- ▶ High integrity single piece moulding improves the strength of the fittings
- ▶ Outer sleeve incorporates collet cover, preventing accidental pipework release
- ▶ Pipework includes measured cut marks, designed to be a visual guide to ensure that fittings are pushed fully home

WHALE QUICK CONNECT SEMI-RIGID PIPEWORK

- ▶ No pipe inserts required
- ▶ Whale Quick Connect color coded semi-rigid pipework is available in:
 - 12mm, 15mm, and 22mm OD
 - Standard or high performance WhaleX PE materials
- ▶ The pipework's flexibility enables tight bends to be formed, reducing fittings and installation time

MINIMUM BEND RADII RECOMMENDATIONS

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

Minimum Bend Radius

Quick Connect 15mm Pipework

75mm

Materials	
Whale Quick Connect Fittings	Glass-Filled Polypropylene
Whale Quick Connect Pipework	Polyethylene

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

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

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

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




FIG . 1

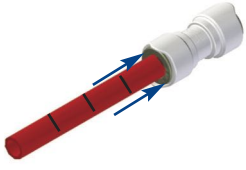


FIG . 3




FIG . 2

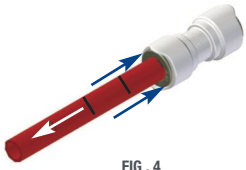


FIG . 4

FISH BOX/LIVEWELL





RELIABLE NON-CLOG FISHBOX AND BAITWELL PUMPS USING PROVEN GULPER TECHNOLOGY

Our non-clog, filter free Gulper electric waste pumps for fishbox and baitwell installations handle fish waste and ensure long term reliability. Unlike macerator pumps, they can run dry with no risk of motor burn out. Gulper valve technology has been built on more than 20 years of market leading pump technology for proven reliable waste management.

BUILT ON MORE THAN TWO DECADES OF MARKET LEADING PUMP TECHNOLOGY. UNLIKE MACERATOR PUMPS, GULPER VALVE TECHNOLOGY MEANS NO FILTERS, NO CLOGGING OR MOTOR BURN OUT, JUST RELIABLE WASTE MANAGEMENT.

- ▶ Gulper Grouper MK3 with 90° port orientation ideal as a direct macerator replacement in fishbox installations
- ▶ No impeller to clog or burn, non-choke valves - can easily handle fishbox waste
- ▶ Easy to install and maintain - 360° head rotation and choice of 1" (25mm) or 1½" (38mm) hose connections
- ▶ Long term durability - runs dry without damage
- ▶ Save battery - low power consumption

Model	Gulper Grouper		Gulper Grouper MK2		Gulper Grouper MK3 With 90° Head	
PART NUMBER	BP4572	BP4574	BP4672	BP4674	BP4772	BP4774
Weight	1.6kg (3.5lbs)					
Voltage	12V d.c.	24Vd.c.	12V d.c.	24V d.c.	12V d.c.	24V d.c.
Fuse size	10 amps	5 amps	10 amps	5 amps	10 amps	5 amps
Dry running current	5 amps	2.5 amps	4 amps	2 amps	4 amps	2 amps
Cable size	1.5mm ² (16AWG)					
Hose connection	25mm (1") or 38mm (1½")					
Materials	Pump Body: Aluminium, Glass-filled Nylon, Clamp Ring: Acetal, Diaphragm: Santoprene®, Valves: Nitrile®, Feet: EPDM, Gearwheel: Delrin, Fasteners: Stainless Steel, Brass					
Materials in contact with fluid	Glass-filled Nylon, Nitrile, Santoprene®, Stainless Steel					
Service kits	AK1557 - Service Kit Contains Diaphragm and Valves					

Performance			
PART NUMBER	BP4572 / BP4574	BP4672 / BP4674	BP4772 / BP4774
Suction lift	0m (0ft)	0m (0ft)	1m (3ft)
Discharge head	1m (3ft)	1m (3ft)	1m (3ft)
Flow rate per minute	22 ltrs (5.8 US Gals)	18 ltrs (4.8 US Gals)	16 lts (4.2 US Gals)
Maximum suction lift	0.5m (1.5ft)	1m (3ft)	
Maximum discharge head	3m (10ft)	2m (6ft)	
Maximum discharge head and suction lift (combined)	3m (10ft)	3m (10ft)	

WARRANTY 2 YEARS

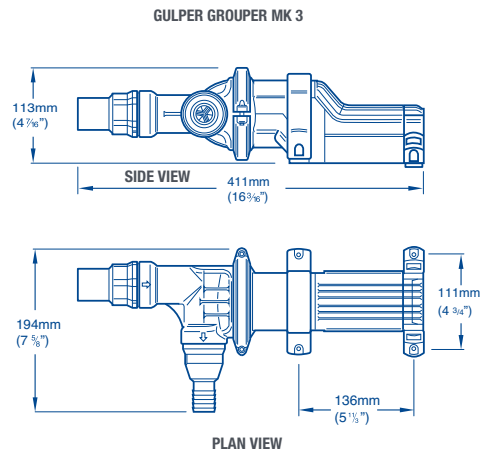
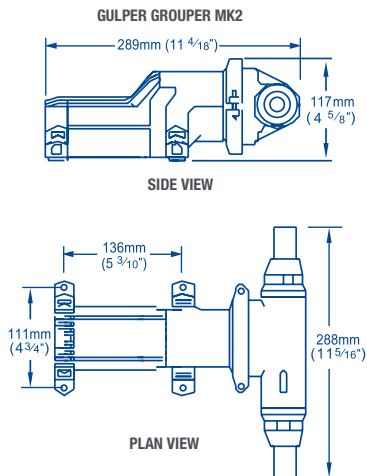
- ▶ CE Certified
- ▶ ISO 10133
- ▶ ISO 15083
- ▶ ISO 8846
- ▶ ABYC H-22
- ▶ IP45



GULPER GROUPE MK 3 WITH 90° HEAD
- IDEAL REPLACEMENT FOR MACERATORS



FISH BOX/LIVWELL



UNLIKE MACERATOR PUMPS, GULPER VALVE TECHNOLOGY MEANS NO FILTERS, NO CLOGGING OR MOTOR BURN OUT, JUST RELIABLE WASTE MANAGEMENT

- ▶ Fishbox Discharge Pump
 - Handles fishbox waste
 - Easy to install in convenient locations
- ▶ Low amp draw means longer battery life
- ▶ Multi directional (360°) head for easy Installation
- ▶ Easy maintenance non-choke valve, no filter to clean or block
- ▶ Self-primers and runs dry without damage

Model	Gulper 320	
PART NUMBER	BP2052	BP2054
Weight	1.6kg (3.5lbs)	
Voltage	12V d.c.	24V d.c.
Fuse size	10 amps	5 amps
Cable size	1.5mm (16AWG)	
Hose connections	19mm (¾") or 25mm (1")	
Materials	Pump Head: Glass-filled Nylon, Valves: Nitrile, Diaphragm: Santoprene®	
Accessories	SB3422 (19mm / ¾") strainer (multi-directional port) included	
Service kits	AK2050 - Replacement Pump Head	

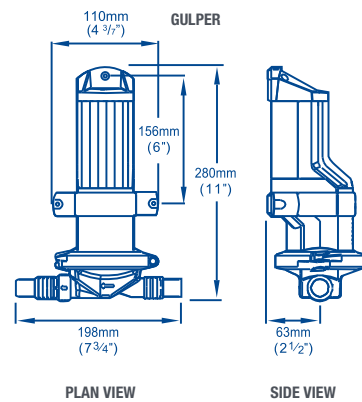
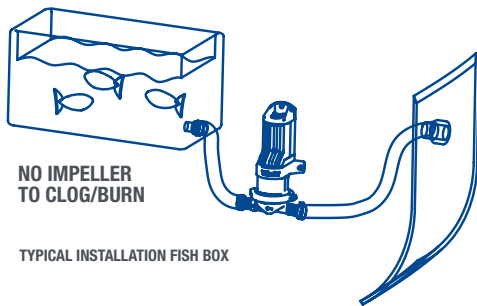
	Performance			
PART NUMBER	BP2052 / BP2054			
Hose size	19mm (¾")	25mm (1")	19mm (¾")	25mm (1")
Suction lift	0m (0ft)	0m (0ft)	1m (3ft)	1m (3ft)
Discharge head	1m (3ft)	1m (3ft)	1m (3ft)	1m (3ft)
Flow rate per minute	19 ltrs (5 US Gals)	17.5 ltrs (4.6 US Gals)	17.5 ltrs (4.6 US Gals)	15.5 ltrs (4.1 US Gals)

WARRANTY 3 YEARS

- ▶ CE Certified
- ▶ ISO 8849
- ▶ ISO 15083
- ▶ ISO 10133
- ▶ ISO 8846
- ▶ ABY H-22
- ▶ IP45



FISH BOX/LIVEWELL



GREY WASTE





WHALE'S LEGENDARY GULPER PUMP RANGE FOR TRULY FIT AND FORGET GREY WASTE SOLUTIONS

Whale's Gulper pumps have led the way for over two decades in durability and non-clog valve technology, from simple one pump solutions to our range of automatic Intelligent Control tanks and pumps.

AUTOMATIC GREY WASTE SYSTEM MANAGES WASTE FROM TWO DRAINS, ENSURING THE PUMP OPERATES ONLY WHEN REQUIRED WITH BUILT IN INTELLIGENT CONTROL

- ▶ Fully automatic - electrical signals are sent to the pump from the Two-Way Manifold IC, sensing only when water needs to be pumped away
- ▶ Saves space - fits where sumps or waste tanks are too large
- ▶ Easy to install and service free - no moving parts to clog or burn
- ▶ Fast drainage - high capacity up to 19 ltrs (5 US Gals) per minute with built in time delay
- ▶ Long life - self primes, runs dry without damage, soft start to protect the pump
- ▶ Low current controlled switching - no switch failure from high currents
- ▶ Kit includes plug and play Gulper IC pump and Two-Way Manifold IC with 4m (13ft) of cable

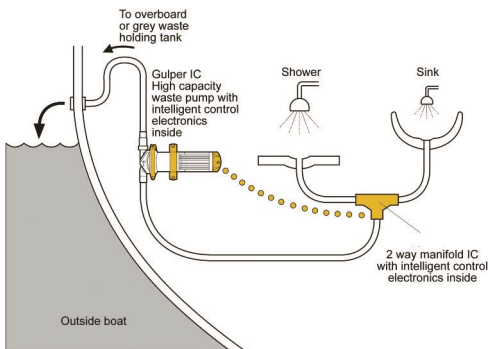
Model	MANIFOLD IC	
PART NUMBER	WM8284	WM8484
Weight	1.6kg (3.5lbs)	
Voltage	12V d.c.	24V d.c.
Fuse size	10 amps	5 amps
Cable size	1.5mm ² (16AWG)	
Hose connection	Barbed Connection 19mm (¾") and 25mm (1")	
Materials	Pump Head: Glass-Filled Nylon, Valves: Nitrile, Diaphragm: Santoprene®, Clamp Ring: Acetal, Feet: EPDM, Gear Wheel: Delrin®, Fasteners: Stainless Steel	
Materials in contact with fluid	Glass-filled Nylon, Santoprene®, Stainless Steel	
Service kits	AK2050 - Replacement Pump Head	

	Performance				Manifold IC	
PART NUMBER	WM8284 / WM8484				Cable length	4m (13ft)
Hose size	19mm (¾")	25mm (1")	19mm (¾")	25mm (1")	Control Voltage	5V d.c. via Gulper® IC
Suction lift	0m (0ft)	0m (0ft)	1m (3ft)	1m (3ft)	Current Draw	Low power 0.01 amps
Discharge head	1m (3ft)	1m (3ft)	1m (3ft)	1m (3ft)	Hose connections	25mm (1")
Flow rate per minute	19 ltrs (5 US Gals)	17.5 ltrs (4.6 US Gals)	17.4 ltrs (4.6 US Gals)	15.5 ltrs (4.1 US Gals)	Connectors	IP68 Waterproof Quick Connect 7 way (directly onto Gulper® IC)

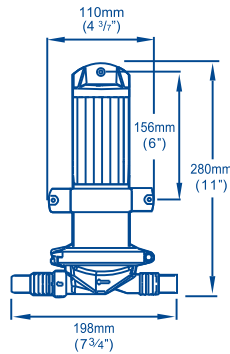
For further guidance on the selection of the correct pump, please see page 121

WARRANTY 3 YEARS

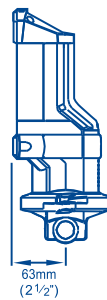
- ▶ CE Certified
- ▶ ISO 8849
- ▶ ISO 15083
- ▶ ISO 10133
- ▶ ISO 8846
- ▶ ABYC H-22
- ▶ IP45



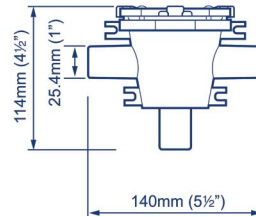
TYPICAL INSTALLATION



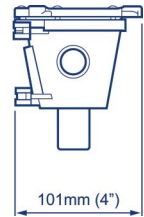
FRONT VIEW



SIDE VIEW



FRONT VIEW



SIDE VIEW

GREY WASTE

AUTOMATIC SHOWER GULLEY WASTE SYSTEM MANAGES WASTE FROM A SINGLE GULLEY, ENSURING THE PUMP OPERATES ONLY WHEN REQUIRED WITH BUILT IN INTELLIGENT CONTROL

- ▶ Fully automatic - electrical signals are sent to the pump from the shower Gulley IC, sensing only when water needs to be pumped away
- ▶ Compact single shower automatic gulley saves space by removing the need for gravity drainage
- ▶ Easy to install and service free - no moving parts to clog or burn
- ▶ Fast drainage - high capacity up to 19 ltrs (5 US Gals) per minute with built in time delay
- ▶ Long life - self primes, runs dry without damage, soft start to protect the pump
- ▶ Low current controlled switching - no switch failure from high currents
- ▶ Noise reduction at gulley
- ▶ Kit includes plug and play Gulper IC electric waste pump and compact Gulley IC with 4m (13ft) cable for easy installation

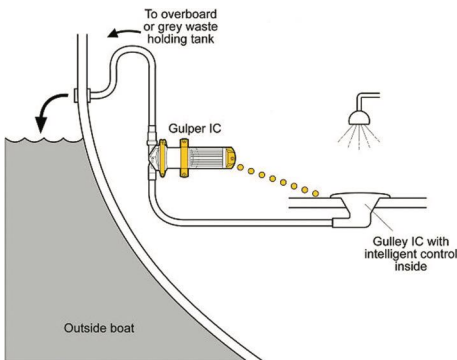
Model	Gulley IC	
PART NUMBER	SG8284	SG8484
Weight	1.6kg (3.5lbs)	
Voltage	12V d.c.	24V d.c.
Fuse size	10 amps	5 amps
Cable size	1.5mm (16AWG)	
Hose connection	Barbed Connections 19mm (¾") and 25mm (1")	
Materials	Pump Head: Glass-filled Nylon, Valves: Nitrile, Diaphragm: Santoprene®, Clamp Ring: Acetal, Feet: EPDM, Gear wheel: Delrin®, Fasteners: Stainless Steel	
Materials in contact with fluid	Glass-filled Nylon, Santoprene®, Stainless Steel	
Service kits	AK2050 - Replacement Pump Head	

	Performance				Gulley IC	
PART NUMBER	SG8284 / SG8484				Cable length	4m (12ft)
Hose size	19mm (¾")	25mm (1")	19mm (¾")	25mm (1")	Control voltage	5V d.c. via Gulper® IC
Suction lift	0m (0ft)	0m (0ft)	1m (3ft)	1m (3ft)	Current draw	Low power 0.01 amps
Discharge head	1m (3ft)	1m (3ft)	1m (3ft)	1m (3ft)	Hose connections	19mm (¾") or 25mm (1")
Flow rate per minute	19 ltrs (5 US Gals)	17.5 ltrs (4.6 US Gals)	17.4 ltrs (4.6 US Gals)	15.5 ltrs (4.1 US Gals)	Connectors	IP68 Waterproof Quick Connect 7 way (directly onto Gulper® IC)

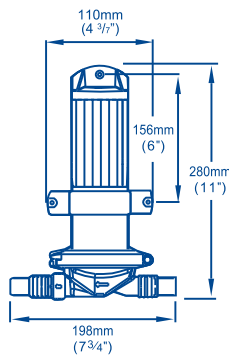
For further guidance on the selection of the correct pump, please see page 121

WARRANTY 3 YEARS

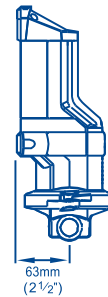
- ▶ CE Certified
- ▶ ISO 8849
- ▶ ISO 15083
- ▶ ISO 10133
- ▶ ISO 8846
- ▶ ABYC H-22
- ▶ IP45



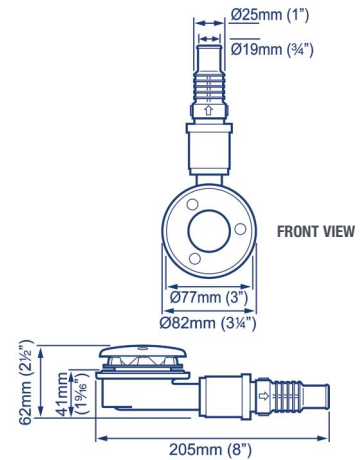
TYPICAL INSTALLATION



FRONT VIEW



SIDE VIEW



SIDE VIEW

GULPER VALVE TECHNOLOGY HANDLES SHOWER WASTE FROM MULTIPLE DRAINS - NO FILTERS AND NO CLOGGING, HIGH CAPACITY, FAST DRAIN

- ▶ Save space - one pump can be used for multiple drains with a grey waste tank
- ▶ Low current draw means longer battery life
- ▶ Multi directional (360°) head for easy installation
- ▶ Easy maintenance non-choke valve, no filter to clean or block
- ▶ Self-primers and runs dry without damage

Model	Gulper 320	
PART NUMBER	BP2052	BP2054
Weight	1.6kg (3.5lbs)	
Voltage	12V d.c.	24V d.c.
Fuse size	10 amps	5 amps
Cable size	1.5mm ² (16AWG)	
Hose connection	19mm (¾") or 25mm (1")	
Materials	Pump Head: Glass-filled Nylon, Valves: Nitrile, Diaphragm: Santoprene®	
Accessories	SB3422 (19mm / ¾") strainer (multi-directional port) included	
Service kits	AK2050 - Replacement Pump Head	

	Performance			
PART NUMBER	BP2052 / BP2054			
Hose size	19mm (¾")	25mm (1")	19mm (¾")	25mm (1")
Suction lift	0m (0ft)	0m (0ft)	1m (3ft)	1m (3ft)
Discharge head	1m (3ft)	1m (3ft)	1m (3ft)	1m (3ft)
Flow rate per minute	19 ltrs (5 US Gals)	17.5 ltrs (4.6 US Gals)	17.5 ltrs (4.6 US Gals)	15.5 ltrs (4.1 US Gals)

For further guidance on the selection of the correct pump, please see page 121

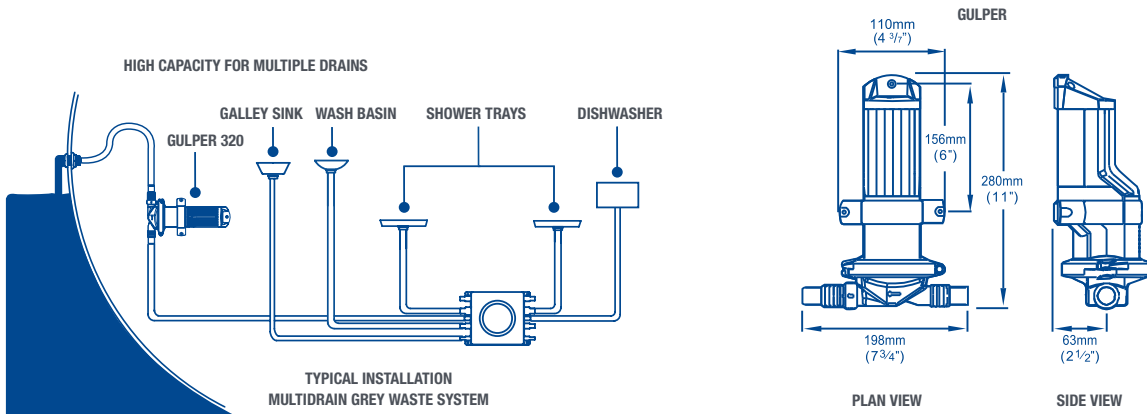
WARRANTY 3 YEARS

- ▶ CE Certified
- ▶ ISO 8849
- ▶ ISO 15083
- ▶ ISO 10133
- ▶ ISO 8846
- ▶ ABYC H-22
- ▶ IP45



⚠ WARNING
 Gulper® 320 is not suitable for pumping diesel. For this application please contact Whale for information.

Now with barbed outlet (discharge) connections to allow a choice of connecting directly to either 3/4" (19mm) or 1" (25mm)



GREY WASTE

RELIABLY PUMPS SHOWER WASTE INCLUDING HAIR AND GELS, VIRTUALLY UNBLOCKABLE VALVES, NO FILTER TO CLEAN

- ▶ Reliable operation - self-priming up to 3m (10ft)
- ▶ Double outlet valve ensuring continuous flow, will run dry without damage and pump a mixture of air and water
- ▶ Multi directional head - for ease of installation
- ▶ Low power consumption

Model	Gulper 220	
PART NUMBER	BP1552	BP1554
Weight	1.5kg (3.4lbs)	
Voltage	12V d.c.	24V d.c.
Fuse size	5 amps	2.5 amps
Cable size	1.5mm ² (16AWG)	
Hose connections	Inlet: 19mm (¾"), Outlet: Barbed connections 19mm (¾") or 25mm (1")	
Materials	Pump Body: Aluminium, Glass-filled Nylon, Clamp Ring: Acetal, Diaphragm: Santoprene®, Valves: Nitrile, Feet: EPDM Gearwheel: Delrin®, Fasteners: Stainless Steel, Brass	
Materials in contact with fluid	Glass-filled Nylon, Nitrile, Santoprene®, Stainless Steel	
Accessories	Grey Waste Tanks	
Service kits	AK1550 - Gulper® 220 Service Kit Contains: Diaphragm and Valves	

	Performance	
PART NUMBER	BP1552	BP1554
Maximum suction lift	3m (10ft)	
Maximum discharge head	3m (10ft)	
Maximum discharge head and suction lift (combined)	4m (13ft)	
Suction lift	0m (0ft)	1m (3ft)
Discharge head	1m (3ft)	1m (3ft)
Flow rate per minute	13.5ltrs (3.5 US Gals)	12.6ltrs (3.4 US Gals)

For further guidance on the selection of the correct pump, please see page 121

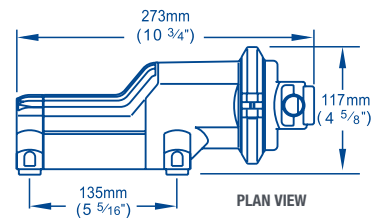
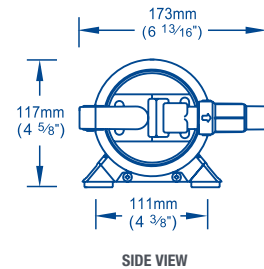
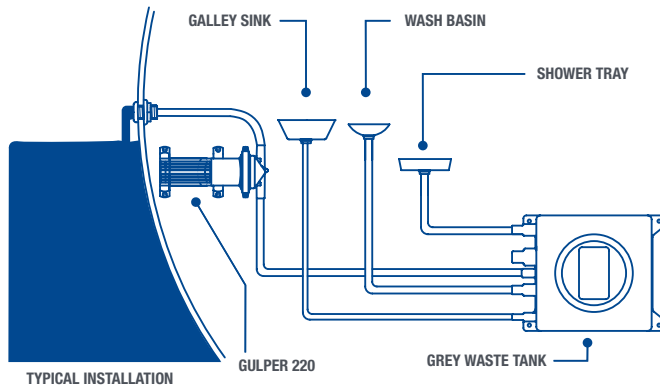
WARRANTY 2 YEARS

- ▶ CE Certified
- ▶ ISO 8849
- ▶ ISO 15083
- ▶ ISO 10133
- ▶ ISO 8846
- ▶ IP45



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

Now with barbed outlet (discharge) connections to allow a choice of connecting directly to either 3/4" (19mm) or 1" (25mm)



UNIQUE 'TRIPLE SEAL' LID ISOLATES ELECTRONICS FROM THE HARSH GREY WASTE ENVIRONMENT FOR ADVANCED DURABILITY

- ▶ Integrated sensors for automatic pump control - solid state switch protected against water ingress
- ▶ Easy wiring - connect any 12V or 24V d.c. pump system (up to 20 amp with no relay required)
- ▶ Ports shaped for drilling accuracy (8 ltr and 20 ltr tanks only)
- ▶ Double switch models - second sensor can be wired to a high-level alarm or second pump
- ▶ Pumps can be top or side mounted on 20 ltr tank

8 LTRS / 2.1 US GAL MODEL



16 LTRS / 4.2 US GAL MODEL



20 LTRS / 5.3 US GAL MODEL



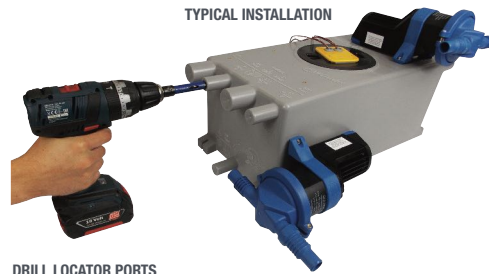
Models	Grey Waste Tanks											
PART NUMBER	GT0810B	GT0812B	GT0820B	GT0831B	GT1610B	GT1620B	GT1631B	GT2010B	GT2012B	GT2020B	GT2031B	
Voltage	12V / 24V d.c.											
Capacity	8 ltrs (2.1 US Gals)				16 ltrs (4.2 US Gals)				20 ltrs (5.3 US Gals)			
No. of sensors	1	2	2	1	1	2	1	1	2	2	1	
Electrical connections	Tinned wire ends		2 x Deutsch DT06-3S- P012		1x Deutsch DT06-3S- P012		Tinned wire ends		2 x Deutsch DT06-3S- P012		1x Deutsch DT06-3S- P012	
Inlet hose connections	19mm (3/4") x 2, 25mm (1") x 3, 38mm (1 1/2") x 3				25mm (1") x 4, 38mm (1 1/2") x 4							
Outlet hose connections	19mm (3/4") x 1, 25mm (1") x 1				25mm (1") x 2							
Materials	Tank: MDPE, Seals: EPDM/Neoprene, Monprene®, Lid: Glass-filled Polypropylene, ABS, Polyurethane											

TYPICAL INSTALLATION



FITTER FRIENDLY - CLEAR VISUAL CUES FOR INSTALLATION

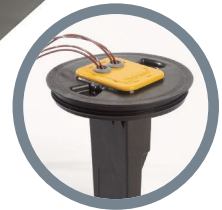
TYPICAL INSTALLATION



DRILL LOCATOR PORTS

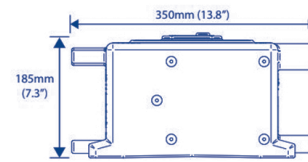
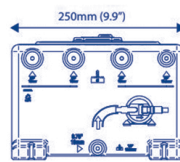
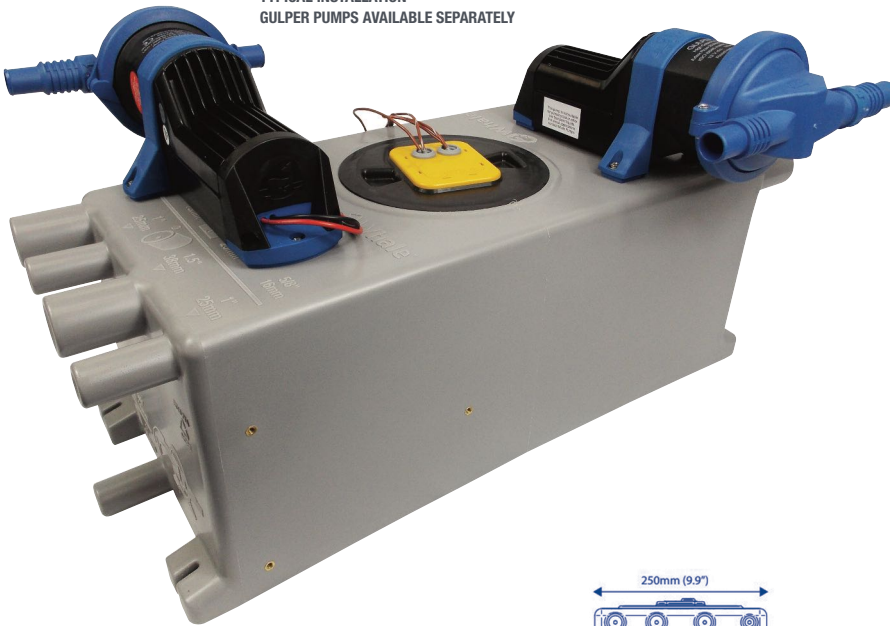
WARRANTY 3 YEARS

- ▶ CE Certified
- ▶ ISO 10133
- ▶ ISO 8846

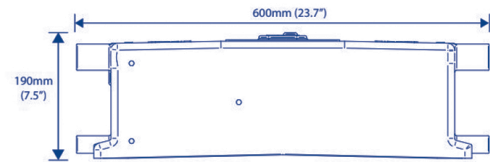
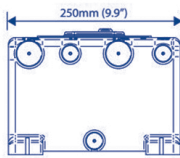


TRIPLE SEAL PROTECTED ELECTRONICS

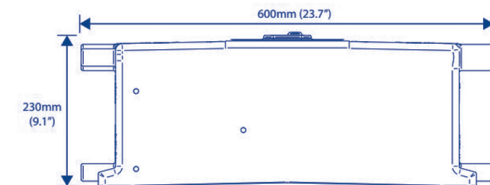
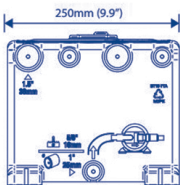
TYPICAL INSTALLATION -
GULPER PUMPS AVAILABLE SEPARATELY



8ltrs (2.1 US gals) Tank Models



16ltrs (4.2 US gals) Tank Models



20ltrs (5.3 US gals) Tank Models

Figure 2 Grey Waste Tank Dimensions

SIMPLE GREY WASTE MANAGEMENT KIT PRE-ASSEMBLED FOR EASE OF INSTALLATION

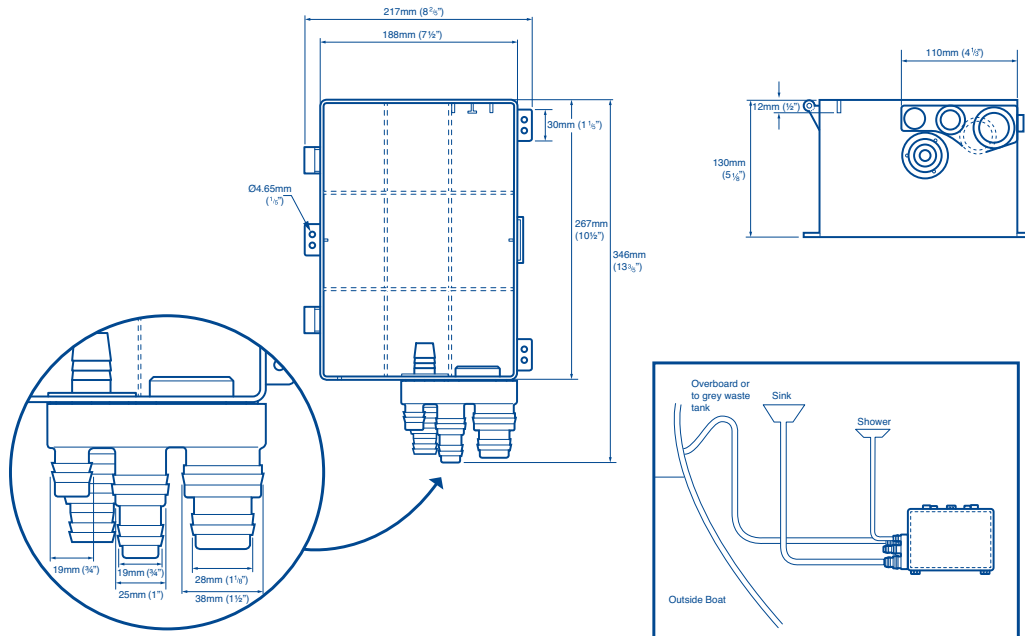
- ▶ Easy maintenance - clear, hinged lid and removable stainless mesh strainer for easy inspection and maintenance
- ▶ Multiple inlet port sizes for easy connection to existing plumbing
- ▶ Reliable operation - Electric Field Sensor Switch automatically senses water level and switches on and off
- ▶ Consistent flow - built-in non-return valve prevents cycling
- ▶ Perfect to collect air condensate

Model	Whale Shower Sump System	
PART NUMBER	GW0500	GW0950
Weight	1.25kg (2.8lbs)	1.42kg (3.1lbs)
Voltage	12V d.c.	
Fuse size	2 amps	5 amps
Materials	Tank: ABS, Polycarbonate, Strainer: Stainless Steel Mesh, Orca - Pump body: Glass-filled Nylon ABS, Seals: Nitrile, Impeller: Acetal, Electric Field Sensor: ABS	
Inlet ports	19mm (¾"), 25mm (1"), 28mm (1½"), 38mm (1½")	
Outlet ports	19mm (¾"), 25mm (1")	

	Performance	
PART NUMBER	GW0500	GW0950
Open flow rate	32 ltrs/min (500 US GPH)	59 ltrs/min (950 US GPH)
Flow rate at 1m head	16 ltrs/min (255 US GPH)	38 ltrs/min (600 US GPH)

WARRANTY 1 YEAR

▶ CE Certified



GREY WASTE

SHOWER AND SINK WASTE HIGH CAPACITY SYSTEM

IDEAL FOR BOATS FROM 60FT FOR MANAGING LARGE AMOUNTS OF GREY WASTE WATER

WARRANTY 1 YEAR

- ▶ Save space - pumps mounted onto tanks saves valuable space on board, allowing more flexibility for layouts
- ▶ Capacity - 100 ltrs (26.4 US Gals)
- ▶ Electronic switches
 - for automatic operation
 - no moving parts
 - no exposed contacts
 - max current draw 20 amp
- ▶ Clear inspection lid with 3 independent switches
 - Switch 1 - operates pump 1
 - Switch 2 - operates pump 2 when a higher volume of waste needs to be pumped out
 - Switch 3 - high level alarm



Model	Shower and Sink Waste High Capacity System
PART NUMBER	GW1033
Tank material	MDPE
Tank wall thickness	8mm
Tank dimensions (length x width x height)	830mm (33"), 530mm (21"), 240mm (9.4")
Pumps	2 x Gulper 320 (24V d.c.) 19 ltrs (5 US Gals) / minute each
Switches	3 x BE9003
Electrical connections	Deutsch
Inlet fittings	4 x 2" BSP thread
Plunger tube for manual pump	No
Vent	¾" Elbow

*Please note: this product is currently only available to boat builders - minimum order quantities apply - contact Whale Support for details

PRE-ASSEMBLED, EASY INSTALL KIT INCLUDES LEADING GULPER WASTE PUMP AND MULTI-PORT POLYETHYLENE TANK

WARRANTY 1 YEAR

- ▶ Includes 8 ltr (2.1 US Gal) tank and Gulper 220 pump
- ▶ Non-choke valves, proven debris handling - no filter required
- ▶ Can run dry without damage
- ▶ Automatic pump activation
- ▶ Robust polyethylene tank design (one piece roto-moulded), with pre-mounted pump to save on installation time



Model	Shower and Sink Waste System
GK1512	Kit includes 8 ltrs (2.1 US Gals) capacity grey waste tank and BP1552 Gulper 220 grey waste pump (12V d.c.)
GK1514	Kit includes 8 ltrs (2.1 US Gals) capacity grey waste tank and BP1554 Gulper 220 grey waste pump (24V d.c.)

COMPLETE YOUR SYSTEM

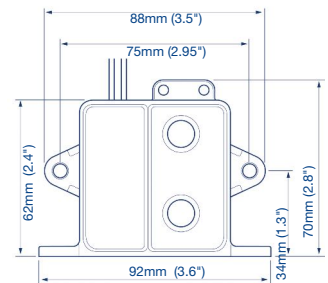
Fit Whale high quality pumps and accessories to ensure long term reliability throughout your grey waste system. Whale switches, diverter valves, and pipework connections are designed and manufactured to the highest quality specification. Combine these accessories with your Whale waste pumps for reliability and durability.

GREY WASTE TANK ELECTRIC FIELD SENSOR SWITCH

- ▶ Electric field sensor automatically senses water levels and switches on the bilge pumps
- ▶ Automatically switches on when 51mm (2") of water is sensed and turns off when water drops below 13mm (½")
- ▶ BE9006 model - built in 30 second off delay for efficient operation, prevents cycle in small sump installations and enables lower drain than 13mm (½")

Model	Electric Field Sensor Switch	Electric Field Sensor Switch (30 second time delay)
PART NUMBER	BE9003	BE9006
Voltage	12V d.c. or 24V d.c.	
Current	Suitable for up to 20 amps	
Standby current	0.008 amps	

WARRANTY 1 YEAR



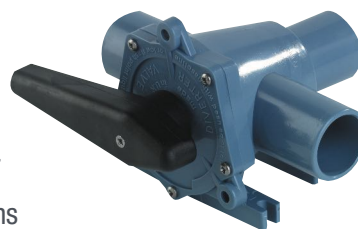
SIDE VIEW



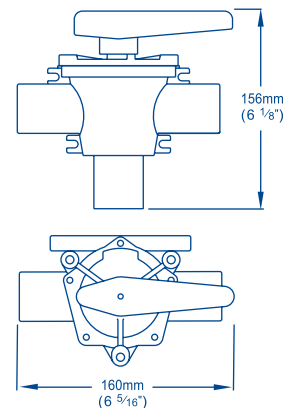
DIVERTER VALVES ALLOWS ONE PUMP TO DRAW FROM 2 LOCATIONS

- DV5630 Diverter Valve 1" (25mm) connections
- DV5606 Diverter valve 1½" (38mm) connections

- ▶ Materials - Main Body: Acetal, Teflon, Handle: PTFE polyester
- ▶ Complies with US Coast Guard rules for type III Waste systems



WARRANTY 5 YEARS



WHALE SUPPLY A WIDE RANGE OF ACCESSORIES DESIGNED SPECIFICALLY FOR USE WITH WHALE PUMPS, CREATING A COMPLETE SYSTEM SOLUTION FOR THE INSTALLER

Y PIECE

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

WARRANTY 1 YEAR

Model	Y Piece
PRODUCT NUMBER	YP6114
Pipe diameter	38mm (1½")
Materials	Polypropylene



ELBOWS

- ▶ Ideal for use in installations in confined spaces

Model	Elbows	
PRODUCT NUMBER	EB3364	EB3488
Pipe diameter	25mm (1")	38mm (1½")
Materials	Polypropylene	



NON-RETURN VALVES

- ▶ Extensive range now includes ¾" and 1½" models
- ▶ Provide an easy way to maintain prime in a suction or discharge line
- ▶ Designed to fit inline
- ▶ Suitable for use with manual or electric pumps

Model	Non Return Valves		
PRODUCT NUMBER	LV1215	LV1218	LV1219
Pipe diameter	25mm (1") / 38mm (1½")	25mm (1") / 28mm (1⅛")	19mm (¾") / 25mm (1")
Materials	Body: Glass-filled Polypropylene, Glass-filled Nylon, Valve: Nitrile		



SKIN FITTINGS

- ▶ Manufactured using strong high quality moulded non-corrosive acetal

Model	Skin Fitting			
PRODUCT NUMBER	SF5018	SF5131	SF5204	SF5424
Pipe diameter	16mm (⅝")	19mm (¾")	25mm (1")	38mm (1½")
Materials	Acetal			



Note: These specifications are retail items only. For details of our bulk pack range for boat builders and wholesalers - contact Whale Support.

GREY WASTE

BLACK WASTE





PRACTICAL, DEPENDABLE SOLUTIONS WHERE YOU REALLY NEED THEM

Fit Whale's manual and electric black waste pumps for reliable waste management onboard without the need for a macerator. Both the Gulper Toilet Pump and MK5 Sanitation Pump handle unmacerated waste and can pump dry, meaning no unwanted macerator failure and ensuring peace of mind onboard.

NON CLOG, NO FILTER WASTE PUMP BUILT ON MORE THAN TWO DECADES OF MARKET LEADING PUMP TECHNOLOGY. PUMPS UNMACERATED TOILET WASTE

- ▶ Virtually unblockable pumps - unmacerated toilet waste with ease
- ▶ Pumps a mixture of air and waste, runs dry without damage
- ▶ Pumps up to 18 ltrs (4.75 US Gals) per minute
- ▶ Rotatable inlet and outlet - allows you to install and maintain in awkward locations
- ▶ Self priming up to 3m (9.8ft) - mount the pump in the most convenient part of boat
- ▶ Ideal for holding tanks and vacuum systems

Model	Gulper Toilet Pump	
PART NUMBER	BP2552B	BP2554B
Weight	2.12kg (4.8lbs)	
Voltage	12V d.c.	24V d.c.
Fuse size	10 amps	5 amps
Dry running current	5.5 amps	2.5 amps
Cable size	1.5mm (16AWG)	
Hose connections	38mm (1½")	
Materials	Pump Body: Aluminum, Glass-filled Nylon, Clamp Ring: Acetal Diaphragm: Santoprene®, Valves: Nitrile, Gearwheel: Bronze, Feet: EPDM, Fasteners: Stainless Steel, Brass	
Materials in connection with fluid	Glass-filled Nylon, Santoprene®, Nitrile	
Service kits	AK1557 - Service kit Contains: Diaphragm and Valves	

	Performance	
PART NUMBER	BP2552B/BP2554B	
Maximum suction lift	3m (10ft)	
Maximum discharge head	3m (10ft)	
Maximum discharge head and suction lift (combined)	3m (10ft)	
Suction lift	0m (0ft)	1m (3ft)
Discharge head	1m (3ft)	1m (3ft)
Flow rate per minute	17 ltrs (4.6 US Gals)	16.5 ltrs (4.4 US Gals)

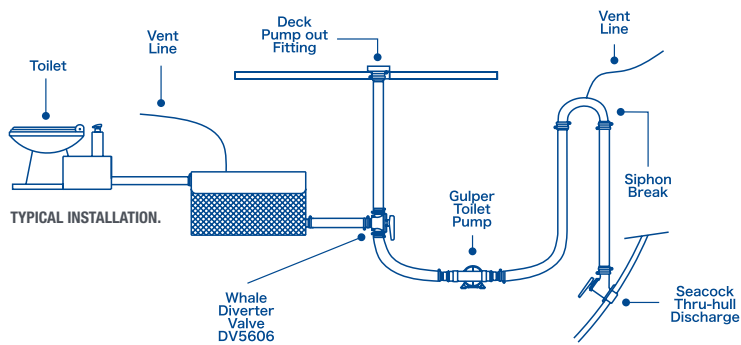
For further guidance on the selection of the correct pump, please see page 121

WARRANTY 1 YEAR

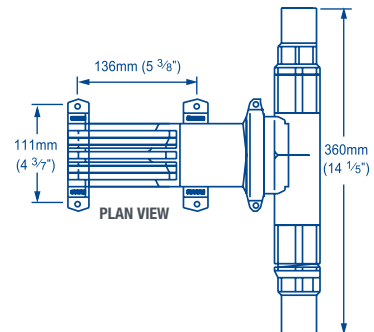
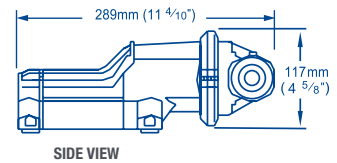
- ▶ ISO 15083
- ▶ ISO 10133
- ▶ ABYC H-22
- ▶ IP45



WARNING
IT IS IMPORTANT TO ENSURE THAT A SYPHON BREAK IS FITTED, WHERE DISCHARGE IS BELOW THE WATER LINE.



NOTE: WHERE DISCHARGE IS BELOW THE WATER LINE, A SIPHON BREAK MUST BE FITTED.



MK5 SANITATION PUMP

MANUAL BLACK WASTE PUMP DESIGNED FOR TOILET FLUSH OR HOLDING TANK PUMP OUT. ENSURES TOTAL RELIABILITY IN BLACK WASTE MANAGEMENT

- ▶ Maximum performance - wide hose connections 38mm (1½"), 66 ltrs (17.5 US Gals) per minute
- ▶ Tough plastic housing keeps in nasty smells
- ▶ Large, virtually non-block valves
- ▶ Easy to clean (no tools required)
- ▶ Lightweight design for easy operation

Model	MK5 Sanitation Pump	
Model	Bulkhead	Thru Deck
PART NUMBER	BP0527	BP0535
Weight	1.17kg (2.6lbs)	
Hose connection	38mm (1½")	
Materials	Pump Body: Glass-Filled Polypropylene, Acetal, Diaphragm, Valves and Seals: Nitrile, Operating Lever: Acetal, Glass-filled Nylon, PVC, Handle, Spring and Fasteners: Stainless Steel	
Materials in connection with fluid	Glass-Filled Polypropylene, Acetal, Nitrile, Stainless Steel	
Service kits	AK8050 - Service Kit Contains: Diaphragms, Valves and Circlips	
Accessories	DP9906 - Deckplate Kit, DP9005 - Deck Ring (for BP0535 only)	

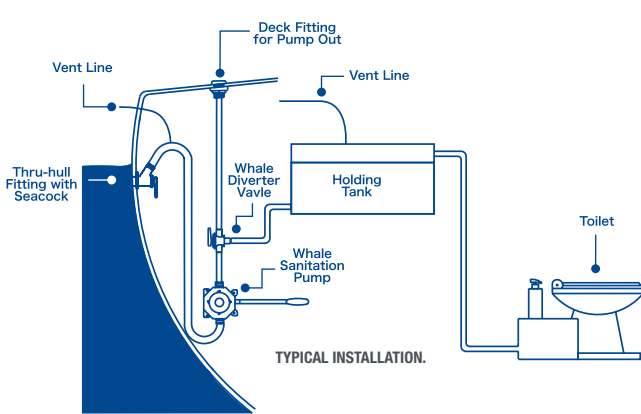
	Performance
PART NUMBER	BP0527 / BP0535
Maximum suction lift	4.5m (15ft)
Maximum discharge head	4.5m (15ft)
Suction lift	1m (3ft)
Discharge head	0.5m (1.5 ft)
40 strokes per minute	42 ltrs (11 US Gals)
70 strokes per minute	66 ltrs (17.5 US Gals)

WARRANTY 5 YEARS

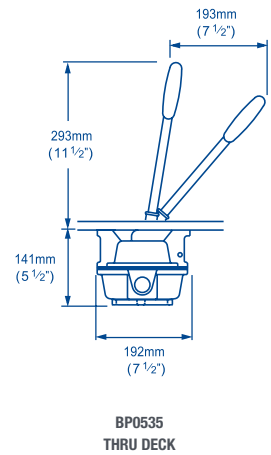
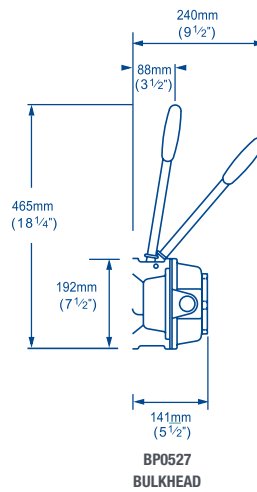
▶ ISO 15083



⚠ WARNING
IT IS IMPORTANT TO ENSURE THAT A SYPHON BREAK IS FITTED, WHERE DISCHARGE IS BELOW THE WATER LINE.



NOTE: WHERE DISCHARGE IS BELOW THE WATER LINE, A SIPHON BREAK MUST BE FITTED.



BLACK WASTE

COMPLETE YOUR SYSTEM

Fit Whale high quality pumps and accessories to ensure long term reliability throughout your black waste system. Diverter valves, and pipework connections are designed and manufactured to the highest quality specification. Combine these accessories with your Whale waste pumps for reliability and durability.

DIVERTER VALVE TO DIVERT FLOW TO OVERBOARD OR DECK PUMP OUT

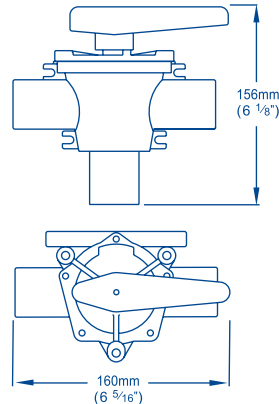
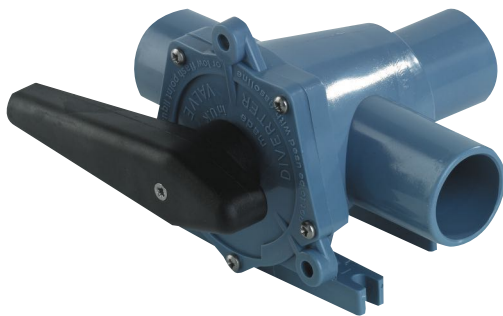
WARRANTY 5 YEARS

DV5630 Diverter Valve 1" (25mm) connections

DV5606 Diverter valve 1½" (38mm) connections

- ▶ Materials - Main Body: Acetal, Teflon, Handle: PTFE polyester
- ▶ Complies with US Coast Guard rules for type III Waste systems

Note: Whale diverter valves are not designed to be installed in a pressurized system



WARRANTY 1 YEAR

Y PIECE

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

Model	Y Piece
PRODUCT NUMBER	YP6114
Pipe diameter	38mm (1½")
Materials	Polypropylene



ELBOWS

- ▶ Ideal for use in installations in confined spaces

Model	Elbows	
PRODUCT NUMBER	EB3364	EB3488
Pipe diameter	25mm (1")	38mm (1½")
Materials	Polypropylene	



NON-RETURN VALVES

- ▶ Extensive range now includes ¾" and 1⅛" models
- ▶ Provide an easy way to maintain prime in a suction or discharge line
- ▶ Designed to fit inline
- ▶ Suitable for use with manual or electric pumps

Model	Non Return Valves		
PRODUCT NUMBER	LV1215	LV1218	LV1219
Pipe diameter	25mm (1") / 38mm (1½")	25mm (1") / 28mm (1⅛")	19mm (¾") / 25mm (1")
Materials	Body: Glass-filled Polypropylene, Glass-filled Nylon, Valve: Nitrile		



SKIN FITTINGS

- ▶ Manufactured using strong high quality moulded non-corrosive acetal

Model	Skin Fitting			
PRODUCT NUMBER	SF5018	SF5131	SF5204	SF5424
Pipe diameter	16mm (⅝")	19mm (¾")	25mm (1")	38mm (1½")
Materials	Acetal			



Note: These specifications are retail items only. For details of our bulk pack range for boat builders and wholesalers - contact Whale Support.



ELECTRIC BILGE PUMP RANGE

		Low Profile, Narrow Submersibles					Compact and Powerful Vertically Stacked Submersibles					Remote Mounted	
1. Select Boat Type (by length)	0 - 6m (0 - 20ft)	✓	✓	✓		✓	✓					✓	
	6 - 12m (20ft - 40ft)			✓		✓	✓	✓	✓	✓		✓	
	12 - 24m (40ft - 80ft)							✓	✓	✓	✓		
2. Flow Rate & Design	Open Flow Rate	500 US GPH 32 ltrs/min	650 US GPH 40 ltrs/min	650 US GPH 40 ltrs/min	1050 US GPH 66 ltrs/m	1050 US GPH 66 ltrs/min	500 US GPH 32 ltrs/min	950 US GPH 59 ltrs/min	1300 US GPH 82 ltrs/min	1300 US GPH 82 ltrs/min	2000 US GPH 126 ltrs/min	3000 US GPH 189 ltrs/min	300 US GPH 19 ltrs/min
	Orientation	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Remote Mounted
	Version Please note - Standard versions require a separate bilge switch	Standard	Standard	Automatic	Standard	Automatic	Standard	Standard	Standard	Automatic	Standard	Standard	Automatic
	Images (not to scale)												
3. Select Pump Model	Product Description	Supersub 500	Supersub 650	Supersub Smart 650	Supersub 1100	Supersub Smart 1100	Orca 500	Orca 950	Orca 1300	Orca Auto 1300	Orca 2000	Orca 3000	Bilge IC
		Product Code	12 V	24 V	12 V	24 V	12 V	24 V	12 V	24 V	12 V	24 V	12 V
	Outlet Size	3/4"	3/4" & 1"	3/4" & 1"	1" & 1 1/8"	1" & 1 1/8"	3/4"	1" & 1 1/8"	1" & 1 1/8"	1" & 1 1/8"	1 1/8"	1 1/4"	3/4" & 1"
	Accessories - Complete Your System	4201-7 Float Switch BE9003 - Electric Field Sensor LV1215 - Non Return Valve	4201-7 Float Switch BE9003 - Electric Field Sensor		4201-7 Float Switch BE9003 - Electric Field Sensor		4201-7 Float Switch BE9003 - Electric Field Sensor LV1215 - Non Return Valve	4201-7 Float Switch BE9003 - Electric Field Sensor LV1215 - Non Return Valve	4201-7 Float Switch BE9003 - Electric Field Sensor LV1215 - Non Return Valve	LV1215 - Non Return Valve	BE9003 - Electric Field Sensor LV1215 - Non Return Valve	BE9003 - Electric Field Sensor LV1215 - Non Return Valve	

Grey columns indicate a standard model that requires a separate switch. White columns indicate a pump that has Intelligent Control technology and is an automatic pump.

MANUAL BILGE PUMP RANGE

		Long Life Diecast Alloy Range	Tough and Lightweight Polypropylene Range		Compact Range		Portable Range							
1. Select Boat Type (by length)	0 - 6m (0 - 20ft)	✓	✓	✓	✓	✓	✓							
	6 - 12m (20ft - 40ft)	✓	✓	✓	✓	✓	Secondary bilge pump only							
2. Appliance, Performance, & Port Size	PUMP USAGE	12 - 24m (40ft - 80ft)	✓	✓	✓	Secondary bilge pump only	✓	Secondary bilge pump only						
		Emergency Bilge Pump Out	✓	✓	✓	✓	✓	✓						
		Holding Tank Pump Out			✓	✓								
		Toilet Flush		✓		✓								
		Water Ballast Pump	✓	✓	✓	✓	✓							
		Approvals	Life Boats Approval • Approved by Lloyds (MCA)			Life Boats Approval • Approved by Lloyds (MCA) and USCG (MK5 Universal MCA - Size 2) (MK5 Double Acting - Size 3)								
		Performance Data (at 45 strokes per minute)	Port Size	75 lbs (20 US Gals) 1½" (38mm)	41 lbs (11 US Gals) 1½" (38mm)	67 lbs (18 US Gals) 1½" (38mm)	42 lbs (11 US Gals) 1½" (38mm)	64 lbs (17 US Gals) 1½" (38mm)	25 lbs (7 US Gals) 1" (25mm)	37.5 lbs (9.9 US Gals) 1½" (38mm)	32 lbs (9 US Gals) 1" (25mm)	32.75 lbs (9 US Gals) 1" (25mm)	43.5 lbs (11.5 US Gals) 1½" (38mm)	19 lbs (5 US Gals) 1" (25mm)
			Images (not to scale)											
		3. Select Pump Model	Product Description	Gusher 30	Gusher 10	Gusher Titan	MK5 Universal	MK5 Double Acting	Gusher Urchin	Compac 50	Smartball	Easyhailer		
				On Deck	On Deck									
				On Bulkhead	On Bulkhead									
				Thru Deck	Thru Deck									
Portable	Portable													
Service Kits				AK3051 - Service Kit for Gusher 30	AK3706 - Service Kit for Gusher 10 (Neoprene)	AK9011 - Gusher Titan Service Kit (Nitrile)	AK8050 - Service Kit for MK5 Universal	AK8060 - Service Kit for MK5 D Acting - contains: Diaphragms, Valves and Circlips AS8851 - Rocker arm assembly AS8552 - Clamping plate and nut kit	AK4400 - Service Kit for Gusher Urchin (Neoprene)	AK8035 - Service Kit for Compac 50	AK5010 - Service Kit for Smartball			
				BP3000	BP3708	BP4402	BP0510	MH5570	BP9005 (Fixed Handle) BP9021 (Removable Handle)					
				BP3010	BP3740	BP4410		MH5560	BP9013	BP0350	BP5012			
				BP3020										

NOTE: WHALE BILGE PUMPS ADHERE TO ISO 15083

MANUAL AND ELECTRIC FRESHWATER PUMP RANGE

		Manual Freshwater Pumps						Electric Freshwater Pumps														
1. Select Boat Type (by length)	0 - 6m (0 - 20ft)	✓	✓	✓	✓	✓	✓	✓	✓	✓												
	6 - 12m (20ft - 40ft)	✓	✓	✓	✓	✓	✓	✓	✓	Refer to no. of outlets												
	12 - 24m (40ft - 80ft)																					
	Outlets*	1	1	1	1	1	1	1-2	1-2													
2. Select Outlets & Performance	Pump Usage	Hand-operated Freshwater Pump	8 ltrs (2 US Gals)	7 ltrs (1.85 US Gals)	8 ltrs (2 US Gals)	Foot-operated Freshwater Pump	15 ltrs (4 US Gals)	15 ltrs (4 US Gals)	10 ltrs (2.6 US Gals)	Freshwater Impeller Pump	13 ltrs (3.4 US Gals)	15 ltrs (4 US Gals)										
													Flow Rate ltrs/min (US Gals/min)	Images (not to scale)	V Pump MK7	Flipper Pump MK4	Babyfoot	Gusher Galley MK3 - Right	Gusher Galley MK3 - Left	Standard Submersible/Inline	Premium Submersible/Inline	High Flow Submersible/Inline
															Product Description	Product Code	Product Code	Product Code	Product Code	Product Code	Product Code	Product Code
			12 V	GP0650	GP0418	GP4618	GP0550	GP0551	GP1002	GP1352/GP1392	GP1652/GP1692											
3. Select Pump Model	Accessories - Complete Your System	Save Time and Money by using Whale Quick Connect wide range of fittings and pipework design. Ensures easy installation and re-usability of components. The two step installation procedure does not require special tools to make a watertight connection.	Quick Connect Plumbing Range -																			
			Service Kits																			
			Controls the pump - turning it on and off by sensing changes in water system pressure. Recommended for use with Whale submersible and in-line booster pumps.																			
			AK0618 - V Pump Service Kit; AS0627 - Clamping Block Assembly	AK0618 - Service Kit for Flipper; AS0406 - Flipper Overhaul Kit	AK4615 - Kit for Babyfoot® Pump	AK0553 - Service Kit for Gusher® Galley MK3; AS0556 - Piston and Operating Kit	AK0553 - Service Kit for Gusher® Galley MK3; AS0556 - Piston and Operating Kit	/	/	/												

*Example outlet types: Galley Faucet (Tap), Heads Faucet (Tap), Shower, Toilet Flush, Deck Wash, Transom Showers, Ice Maker, etc.

ELECTRIC FRESHWATER PUMP RANGE

Electric Freshwater Pressure Pump										
1. Select Boat Type (by length)	0 - 6m (0 - 20ft)	✓	✓	✓	✓	✓	✓	✓	✓	
	6 - 12m (20ft - 40ft)	Refer to no. of outlets	Refer to no. of outlets	Refer to no. of outlets	Refer to no. of outlets	Refer to no. of outlets	Refer to no. of outlets	Refer to no. of outlets	Refer to no. of outlets	
	12 - 24m (40ft - 80ft)			Refer to no. of outlets		Refer to no. of outlets		Refer to no. of outlets	Refer to no. of outlets	
	Outlets*	1-2	3-4	3-4	1-2	3-4	3-4	4-6	6-8	
2. Select Outlets & Performance	Pump Usage	Freshwater Pump Range			Ensures smooth even flow to all outlets. Noise and vibration are reduced by preventing pump cycling					
	Maximum Running Pressure	2 Bar (30psi)	2 Bar (30psi)	3 Bar (45psi)	2 Bar (30psi)	3 Bar (45psi)	3 Bar (45psi)	3 Bar (45psi)	3 Bar (45psi)	
	Flow Rate ltrs/min (US Gals/min)	8 ltrs (2 US Gals)	12 ltrs (3 US Gals)	12 ltrs (3 US Gals)	12 ltrs (3 US Gals)	12 ltrs (3 US Gals)	12 ltrs (3 US Gals)	18 ltrs (6 US Gals)	24 ltrs (6.3 US Gals)	32 ltrs (8.4 US Gals)
3. Select Pump Model	Images (not to scale)									
	Product Description	Watermaster Pressure Pump**	Watermaster Pressure Pump**	Watermaster Pressure Pump**	12 ltr Pressure Pump & 2 ltr Accumulator	12 ltr Pressure Pump & 2 ltr Accumulator	12 ltr Pressure Pump & 8 ltr Accumulator	18 ltr Pressure Pump & 8 ltr Accumulator	24 ltr High Capacity 21 ltr Accumulator	32 ltr High Capacity 21 ltr Accumulator
	Product Code	FW0814	FW1214	FW1215	UF2214	UF2215	UF2015	UF8015	UF2415B	UF3615B
Accessories - Complete Your System		PT0200 - 2 ltr Accumulator Tank - Ensures smooth even flow to all outlets. Noise and vibration are reduced by preventing pump cycling								
Service Kits		AK1316 - Pump Head; AK1319 - Spare Filter; AK1329 - Spare Saltwater Filter	AK1316 - Pump Head; AK1319 - Spare Filter; AK1329 - Spare Saltwater Filter	AK1316 - Pump Head; AK1319 - Spare Filter; AK1329 - Spare Saltwater Filter	AK1316 - Pump Head; AK1319 - Spare Filter;	AK1316 - Pump Head; AK1319 - Spare Filter;	AK1316 - Pump Head; AK1319 - Spare Filter;	AK1316 - Pump Head; AK1319 - Spare Filter;	AK2415 - 12ltr, 12V d.c. Pump; AK2425 - 12ltr, 24V d.c. Pump; AK1314 - Spare Low Pressure Switch;	AK3615 - 18ltr, 12V d.c. Pump; AK3625 - 18ltr, 24V d.c. Pump; AK1314 - Spare Low Pressure Switch; AK1315 - Spare High Pressure Switch

*Example outlet types: Galley Faucet (Tap), Heads Faucet (Tap), Shower, Toilet Flush, Deck Wash, Transom Shower, Ice Maker, etc. **Can also be used with saltwater.

GULPER WASTE PUMP RANGE

Electric Waste Pumps							
1. Select Boat Type (by length)	0 - 6m (0 - 20ft)	✓	✓	✓	✓	✓	
	6 - 12m (20ft - 40ft)	✓	✓	✓	Refer to no. of outlets	✓	
	12 - 24m (40ft - 80ft)	✓	✓	✓	✓	✓	
2. Select Outlets & Performance	Waste Outlets	1 <small>(or can be used with a Black Waste Tank for multiple outlets)</small>	1 <small>(or can be used with a Whale Grey Waste Tank for multiple outlets)</small>	1 <small>(or can be used with a Whale Grey Waste Tank for multiple outlets)</small>	2	1	
	Pump Usage	Black Waste	Grey Waste	Grey Waste	Grey Waste	Grey Waste	
	Flow Rate ltrs/min (US Gals/min)	18 ltrs (4.75 US Gals)	14 ltrs (3.5 US Gals)	19 ltrs (5 US Gals)	19 ltrs (5 US Gals)	19 ltrs (5 US Gals)	
	Images (not to scale)						
	Product Description	Gulper Toilet Pump	Gulper 220	Gulper 320	Gulper Grey IC Kit	Gulper Gully IC Kit	
	Product Code	BP2552B	BP1552	BP2052	WMM8284	SG8284	
3. Select Pump Model	12 V	BP2554B	BP1554	BP2054	WMM8484	SG8484	
	24 V						
	Service Kits	AK1557 - Gulper Toilet Pump Service Kit	AK1550 - Gulper 220 Service Kit	AK2050 - Replacement Pump Head	AK2050 - Replacement Pump Head IC	AK2050 - Replacement Pump Head IC	
Accessories - Complete Your System		Black Waste Tank, Skin Fittings, Diverter Valve - DV5606, Hose Fitting Elbow 1½" - EB3488, Hose Fitting Y-Piece - YP6114		Grey Waste Tanks (8L, 16L, 20L), In-line Check Valve - LV1215, Skin Fittings, Hose Fitting Elbow 1" - EB3364, Hose Fitting Elbow 1½" - EB3488		Grey Waste Tanks (8L, 16L, 20L), Skin Fittings	
Accessories - Complete Your System		Grey Waste Tanks (8L, 16L, 20L), In-line Check Valve - LV1215, Skin Fittings, Hose Fitting Elbow 1" - EB3364, Hose Fitting Elbow 1½" - EB3488, Hose Fitting Y-Piece - YP6114		In-line Check Valve - LV1215, Skin Fittings, Hose Fitting Elbow 1" - EB3364, Hose Fitting Elbow 1½" - EB3488, Hose Fitting Y-Piece - YP6114		In-line Check Valve - LV1215, Skin Fittings, Hose Fitting Elbow 1" - EB3364, Hose Fitting Elbow 1½" - EB3488, Hose Fitting Y-Piece - YP6114	



DISCLAIMER

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ABBREVIATIONS

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

ABBREVIATIONS - MATERIALS

ABS	Acrylonitrile-Butadiene Styrene
ASA	Acrylonitrile Styrene Acrylate
PTFE	Polyester Polytetra Fluoro Ethylene Filled Polyester
EPDM	Ethylene Propylene Diene Monomer
HDPE	High Density Polyethylene
MDPE	Medium Density Polyethylene
PA	Polyamide
PBT	Polybutylene Terephthalate
PC	Polyoxymethylene
PP	Polypropylene
POM	Polyoxymethylene
PVC	Polyvinyl Chloride
uPVC	Unplasticised Polyvinyl Chloride

