

MARINE PARTS SUPPLY (800) 661-5353

2008 US



MARINE PARTS SUPPLY (800) 661-5353



JOHNSON PUMP

An SPX Process Equipment Operation

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353



MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353



MARINE PARTS SUPPLY (800) 661-5353

Global, yet Local

No matter whether you are an experienced boater looking for a replacement pump or a manufacturer looking for any pumps for your marine application, we are prepared to provide you with the support you need. And no matter where you work or live, access to our products, services, spare parts and support are never far away. In fact, you'll find Johnson Pump represented in every major industrial country of the world today and more than fifty nations altogether.

Johnson Pump is one of the world's leading manufacturers of pumps for marine use. For more than thirty years, Johnson Pump has been providing the boaters of the world with high quality, highly reliable pumps. Our extensive product range includes water pressure systems, bilge pumps, deckwash pumps, engine cooling pumps and more.

Working with the Best

Thanks to our extensive marine pump experience, we know the boating industry well. This makes it possible for us to find pumping solutions that meet the specific needs of each customer. That's why so many leading manufacturers of marine engines and recreational craft trust Johnson Pump to provide solutions for all their pumping needs.

Quality a Trademark

Johnson Pump has built its international reputation on attention to quality in every detail of product development, production, and customer relations. You can count on us for constant improvement and further development in every aspect of our business dealings.



Chandlery Display

In order to brand the Johnson Pump trademark more to the Boat Builders and the Aftermarket, we have made this chandlery display. The easy, flexible and professional solution to display the products for the consumers.

Chandlery Display Part. No. 09-47072

Size 2300 mm x 900 mm x 500 mm.
90.5"x35.4"x19.7"

Can be modified to
1500 mm x 900 mm x 500 mm.
59"x35.4"x19.7"

Contents

General Johnson Pump	2-3
Pump program	4-28
Water pressure systems & wash down pumps	4-8
Submersible bilge pumps	9-12
Livewell aerating pumps	13
Bilge, deckwash and refuelling pumps	14-15
Bilge, waste and toilette handling	16-18
Circulating pumps	19
Toilets, Manual and Electric	20-23
Self priming flexible impeller pumps	24-30
FB-5000 series	25
FB-8 series	26
FB-3000 series	27
Performance tables bronze impeller pumps	28
Engine cooling	29-30
Impeller identification guide	31-38

ISO 9001 — of course

Since high quality has always been the trademark of Johnson Pump, quality assurance requirements are nothing new to

us. Attention to quality has always been the foundation of what we do for a very simple reason: We have a commitment to meet the needs of our customers through continual product development and improvements both of human resources and production processes.



ISO 14001 — because we care

Johnson Pump is certified according to the demands set in ISO 14001, Environmental management system. We are doing our part to reduce any negative environmental impact from our production processes. We encourage our customers to continue our efforts by using our products in an environmentally sound manner on the waterways of the world.

WELCOME TO

www.johnson-pump.com/jpmarine

Find a Distributor near you

At our website www.johnson-pump.com/jpmarine You easily find a list of our world-wide distributors with address, phone and email-address.

Products

You can look at our product range in two aspects; by applications and by pump types. You easily find basic technical information about our pumps.

Publications

You find several of our publications at our website such as this catalogue, instruction manuals etc that you can download as pdf-files (requires Adobe Acrobat) and printout.



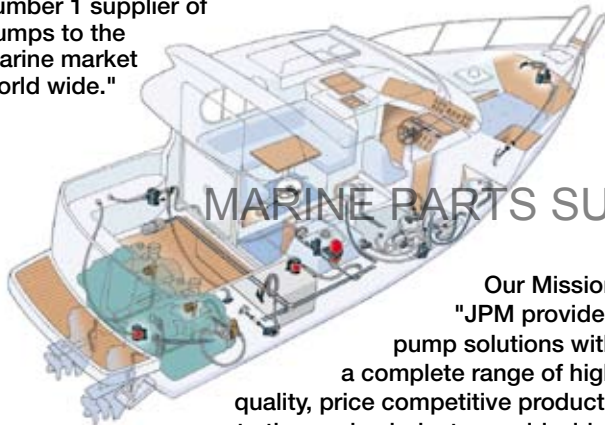
JOHNSON PUMP

An SPX Process Equipment Operation

Our Vision and Mission

Our Vision

"A Johnson Pump in every boat and to become the number 1 supplier of pumps to the marine market world wide."



Our Mission

"JPM provides pump solutions with a complete range of high quality, price competitive products to the marine industry world wide"

**NEWS NEWS NEWS NEWS NEWS
NEWS NEWS NEWS NEWS NEWS
NEWS NEWS NEWS NEWS NEWS**



New!
PRO SERIES 1600 GPH Aerator.
See page 13



New!
Vacuum Valve
See page 32



New!
F3B-19 Oil Changer
See page 15



New!
AquaT™ Premium with solenoid
See page 21



New!
AquaT™ Bidet
See page 21

WATER PRESSURE SYSTEMS WASH DOWN PUMPS



CE marked according to following standards:

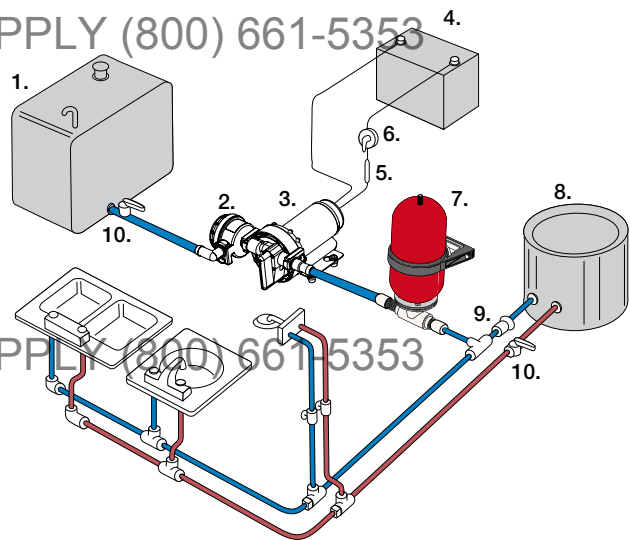
- EN55014: 1993/Radio disturbance
- ISO8846: 1990/Electrical devices – Protection against ignition of surrounding flammable gases
- ISO10133: 1994/Electrical systems – Extra-low voltage DC installations

Quiet and pulsation-free even at low speeds, the Aqua Jet five chamber diaphragm pump from Johnson Pump provides the perfect water pressure or deck wash solution for both small and medium sized leisure and commercial boats. Efficient and compact, Aqua Jet pumps are particularly suitable where low amperage and sound levels in relation to water flow are placed at a premium - such as in shower and galley applications. Integrated pressure switch for automatic operation.

Fresh Water Handling

Components in Typical Water Pressure System

1. Water tank
2. Johnson Pump PUMProtector inlet strainer
3. Johnson Pump Aqua Jet water pressure pump
4. Battery
5. Fuse
6. Switch
7. Johnson Pump Accumulator tank
8. Water heater
9. Check valve
10. Shut-off valve



Aqua Jet Water Pressure System WPS 2.4, WPS 2.9, WPS 3.5, WPS 4.0, WPS 5.2

The five chamber Aqua Jet WPS-series provide a reliable heart for small boat and recreational vehicle water pressure system. Compared to conventional three or four-chamber diaphragm pumps, the Aqua Jet demonstrates dramatically lower noise and water pulsation characteristics. Smooth and pulsation-free flow due to the five chamber design. It is recommended to install the WPS-pumps with an accumulator tank. Always use a PUMProtector inlet strainer before the pump intake, see page 8.

Dimension & Weight

Model	WPS2.4	WPS 2.9	WPS 3.5	WPS 4.0	WPS 5.2
Diaphragm	Santoprene	Santoprene	Santoprene	Santoprene	Santoprene
Valves	EPDM	EPDM	EPDM	EPDM	EPDM
Body	PP/PPA	PP/PPA	PP/PPA	PP	PP
Motor	85W	85W	85W	100W	150W
Weight	1.6 kg/3.5 lbs	1.6 kg/3.5 lbs	2 kg /4.5 lbs	2 kg /4.5 lbs	2 kg /4.5 lbs
Length	204 mm/8.02"	204 mm/8.02"	236,5 mm/9.31"	240 mm/9.46"	240 mm/9.46"
Width	197 mm/7.76"	197 mm/7.76"	210 mm/8.25"	214 mm/8.42"	214 mm/8.42"
Height	110 mm/4.33"	110 mm/4.33"	116 mm/4.575"	110 mm/4.33"	110 mm/4.33"

WPS 2.9



WPS 3.5



WPS 4.0



WPS 5.2



WPS 2.4

Order No	Description	Capacity	Pressure Cut In	Pressure Cut Off*	Fuze Size	Connection**
10-24604-103	Aqua Jet WPS 2.4 12V	9L/min - 2.4GPM	1.7 bar / 24psi	2.8 bar / 41 psi	10A	3/8" BSP / hose 1/2", 1/2" BSP / hose 3/4"
10-24604-104	Aqua Jet WPS 2.4 24V	9L/min - 2.4GPM	1.7 bar / 24psi	2.8 bar / 41 psi	5A	3/8" BSP / hose 1/2", 1/2" BSP / hose 3/4"

WPS 2.9

Order No	Description	Capacity	Pressure Cut In	Pressure Cut Off*	Fuze Size	Connection**
10-13405-103	Aqua Jet WPS 2.9 12V	11L/min / 2.9 GPM	1.7 bar / 24psi	2.8 bar / 41psi	10A	3/8" NPT / hose 1/2", 1/2" - 14 NPSM
10-13405-104	Aqua Jet WPS 2.9 24V	11L/min / 2.9 GPM	1.7 bar / 24psi	2.8 bar / 41psi	5A	3/8" NPT / hose 1/2", 1/2" - 14 NPSM

WPS 3.5

Order No	Description	Capacity	Pressure Cut In	Pressure Cut Off*	Fuze Size	Connection**
10-13395-103	Aqua Jet WPS 3.5 12V	13L/min / 3.5 GPM	1.7 bar / 24psi	2.8 bar / 41psi	10A	3/8" NPT / hose 1/2", 1/2" NPT / hose 3/4", 1/2" - 14 NPSM
10-13395-104	Aqua Jet WPS 3.5 24V	13L/min / 3.5 GPM	1.7 bar / 24psi	2.8 bar / 41psi	5A	3/8" NPT / hose 1/2", 1/2" NPT / hose 3/4", 1/2" - 14 NPSM

WPS 4.0

Order No	Description	Capacity	Pressure Cut In	Pressure Cut Off*	Fuze Size	Connection**
10-13406-103	Aqua Jet WPS 4.0 12V	15L/min / 4.0 GPM	1.7 bar / 24psi	2.8 bar / 41psi	10A	3/8" NPT / hose 1/2", 1/2" NPT / hose 3/4", 1/2" - 14 NPSM
10-13406-104	Aqua Jet WPS 4.0 24V	15L/min / 4.0 GPM	1.7 bar / 24psi	2.8 bar / 41psi	5A	3/8" NPT / hose 1/2", 1/2" NPT / hose 3/4", 1/2" - 14 NPSM

WPS 5.2

Order No	Description	Capacity	Pressure Cut In	Pressure Cut Off*	Fuze Size	Connection**
10-13406-107	Aqua Jet WPS 5.2 12V	20L/min/ 5.2 GPM	1.7 bar / 24psi	2.8 bar / 41psi	15A	3/8" NPT / hose 1/2", 1/2" NPT / hose 3/4", 1/2" - 14 NPSM
10-13406-108	Aqua Jet WPS 5.2 24V	20L/min/ 5.2 GPM	1.7 bar / 24psi	2.8 bar / 41psi	8A	3/8" NPT / hose 1/2", 1/2" NPT / hose 3/4", 1/2" - 14 NPSM

*Cut off pressure 2.1 bar/30 psi and 1.4 bar/20 psi available on request

** BSP-connection available on request



WPS 3.5

Fitted with a built-in pulsation dampening by-pass to control unwanted cycling and noise

Aqua Jet Uno Water Pressure System

Medium demand unit with a single Aqua Jet WPS capacity 13 L/min or 20 L/min fixed on a base with PUMProtector inlet strainer and a pre-pressured 2 litres accumulator tank.



MARINE PARTS SUPPLY (800) 661-5353

Order No	Description	Capacity	Cut-off pressure*	Fuze size	Connection
10-13408-01	WPS Uno 3.5 12V	13L/min - 3.5GPM	2.8 bar/41 psi	10A	3/4" hose
10-13408-02	WPS Uno 3.5 24V	13L/min - 3.5GPM	2.8 bar/41 psi	5A	3/4" hose
10-13408-03	WPS Uno 5.2 12V	20L/min - 5.2GPM	2.8 bar/41 psi	15A	3/4" hose
10-13408-04	WPS Uno 5.2 24V	20L/min - 5.2GPM	2.8 bar/41 psi	8A	3/4" hose
10-13281-05	WPS Uno 3.5 12V	13L/min - 3.4 GPM	2.8 bar/41 psi	10A	1/2" hose
10-13281-06	WPS Uno 3.5 24V	13L/min - 3.4 GPM	2.8 bar/41 psi	5A	1/2" hose

*Cut off pressure 2.1 bar/30 psi and 1.4 bar/20 psi available on request

MARINE PARTS SUPPLY (800) 661-5353

Aqua Jet Duo Water Pressure System

High demand unit with two parallel-connected Aqua Jet WPS capacity 40 L/min fixed on a base with PUMProtector inlet strainers and a pre-pressured 2 litres accumulator tank.



MARINE PARTS SUPPLY (800) 661-5353

Order No	Description	Capacity	Cut-off pressure	Fuze size	Connection
10-13409-01	WPS Duo 10.4 12V	40L/min - 10.4GPM	2.8 bar/41 psi	25A	3/4" hose
10-13409-02	WPS Duo 10.4 24V	40L/min - 10.4GPM	2.8 bar/41 psi	15A	3/4" hose

Aqua Jet Uno Max

Medium demand unit with a single Aqua Jet WPS with capacity 11 or 13 L/min fixed on a wooden panel for easy and efficient installation. The unit includes a PUMProtector inlet strainer and a two liters pre-pressurized accumulator tank.

Replaces Jabsco Ultra Max.



MARINE PARTS SUPPLY (800) 661-5353

Order No	Description	Capacity	Cut-off pressure	Fuze size	Connection
10-13410-01	WPS Uno-Max 2.9 12V	11L/min - 2.9GPM	2.8 bar/41 psi	10A	3/4" hose
10-13410-02	WPS Uno-Max 2.9 24V	11L/min - 2.9GPM	2.8 bar/41 psi	5A	3/4" hose
10-13411-01	WPS Uno-Max 3.5 12V	13L/min - 3.5GPM	2.8 bar/41 psi	10A	3/4" hose
10-13411-02	WPS Uno-Max 3.5 24V	13L/min - 3.5GPM	2.8 bar/41 psi	5A	3/4" hose

MARINE PARTS SUPPLY (800) 661-5353

Aqua Jet Flow Master 5.0 Water Pressure System

The Flow Master 5.0 is a five chamber positive displacement diaphragm pump that is an ideal choice for pressurizing water in a closed system such as that found in a boat or recreational vehicles. The digital controller adjusts water flow as the demand is increased and decreased while maintaining a very smooth flow. The unique variable flow feature of the Flow Master pump allows the pump to be mounted without an accumulator tank and still maintain an even flow regardless if one or multiple taps are being used.

Dimensions: 239 mm/9.4" long x 209 mm/8.22" wide x 113 mm/4.49" high
Weight: 2 kg/4.5 lbs
Motor: WPS 5.0 – 150 W, 12/24V DC
 (with built-in thermal protection)
Body: Nylon/Polypolypropylene
Valves: Santoprene/EPDM
Diaphragm: Santoprene

Unique variable flow feature

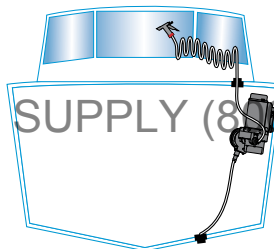


Order No	Description	Capacity	Cut-off pressure	Fuse size	Connection
10-13329-103	WPS FM 5.0 12V	19L/min – 5GPM	3.5 bar/50 psi	15 A	3/8" NPT / hose 1/2", 1/2" NPT / hose 3/4" 1/2" - 14 NPSM
10-13329-104	WPS FM 5.0 24V	19L/min – 5GPM	3.5 bar/50 psi	8 A	3/8" NPT / hose 1/2", 1/2" NPT / hose 3/4" 1/2" - 14 NPSM

Aqua Jet Wash Down Pumps 3.5 & 5.2

As a wash down pump, the Aqua Jet offers much higher pressures than competitive models, making clean-up faster and easier than ever before. Complete with trigger nozzle, PUMProtector inlet strainer and hose connections for 1/2" hose. Both BSP and NPT connection included in package

Dimensions See WPS 2.9, WPS 3.5 and
& weight: WPS 5.2 on page 5
Motor: WD 2.9 - 90 W, 12/24V DC
 WD 3.5 - 130 W, 12/24V DC
 WD 5.2 - 185 W, 12/24V DC
 (with built-in thermal protection)
Body: PA
Valves: Nitrile
Diaphragm: Santoprene



Order No	Description	Capacity	Cut-off-pressure	Fuze size	Connection
10-24728-03	WD 2.9 12V	11L/min - 2.9GPM	2.8 bar/ 41 psi	10A	3/8" NPT x 1/2" barb / 1/2" NPT x 3/4" barb
10-24728-04	WD 2.9 24V	11L/min - 2.9GPM	2.8 bar/ 41 psi	5A	3/8" NPT x 1/2" barb / 1/2" NPT x 3/4" barb
10-13399-03	WD 3.5 12V	13L/min - 3.5GPM	5 bar/ 70 psi	15A	1/2" NPT/ hose 3/4", GHT 3/4"
10-13399-04	WD 3.5 24V	13L/min - 3.5GPM	5 bar/ 70 psi	8A	1/2" NPT/ hose 3/4", GHT 3/4"
10-13407-07	WD 5.2 12V	20L/min 5.2GPM	5 bar/ 70 psi	20A	1/2" NPT/ hose 3/4", GHT 3/4"
10-13407-08	WD 5.2 24V	20L/min 5.2GPM	5 bar/ 70 psi	10A	1/2" NPT/ hose 3/4", GHT 3/4"

Aqua Jet Wash Down Pump Kit 5.2

New 20 l/min (5.2 GPM) wash down kit conveniently includes a high capacity Aqua Jet WD 5.2, 5 bar (70 psi), PUMProtector inlet strainer, spray nozzle, bulk head fitting with valve, 7.5 meters (25') of coiled wash down hose and an illuminated panel switch all in one package. Aqua Jet Wash Down pump kit makes it easy to add a wash down pump to any boat.

Connection: 1/2" NPT/hose 3/4", 3/4" GHT, Hose 3/4" GHT
Bulkhead fitting - inlet 3/4" hose, outlet 3/4" GHT

Order No	Description
64534	Aqua Jet 5.2 Wash Down Pump Kit 12 V
64534-24	Aqua Jet 5.2 Wash Down Pump Kit 24 V
64535	Aqua Jet 3.5 Wash Down Pump Kit 12V

Accessories available

Order No	Description
09-10616	Bulkhead fitting 3/4" hose (bulk)
61115	Bulkhead fitting 3/4" hose (pkgd)



PUMProtector™ Strainer

All wash-down and water-system strainers are designed to prevent debris and other particles from damaging the pump or passing through the system to the final outlet. The new PUMProtector™ inlet and universal strainers from Johnson Pump are also designed to make your life simpler.

Both of these new strainers feature transparent covers for simple inspection, a wide variety of KlickTite™ port connectors for simple installation and removal, and high quality materials for simple maintenance. The new design and connectors make it possible to remove the entire unit for thorough cleaning wherever it's most convenient. We recommend 40 mesh for water pressure and wash down pumps and 20 mesh for general purpose pumps

Inlet and Universal Strainers

Materials	Strainer Polyamide 66, black
	Cover Acrylic, clear
	Screen Stainless steel, 20 and 40 mesh
	O-rings Silicone and EPDM

Max. liquid temperature	+50°C / +120°F
Max. temperature for drinking water	+30°C / +85°F
Diameter	80 mm / 3.15"
Height	60 mm / 2.35"
Port options	See illustration
Weight	0.15 kg / 0.33 lbs
Mesh size	20 or 40 mesh



Universal Strainer

Order No.	Mesh	KlickTite™ Connector
09-24652-02CN	40	2x 1/2" hose / 3/8" NPT 2x 3/4" hose / 1/2" NPT
09-24652-04CN	20	2x 1/2" hose / 3/8" NPT 2x 3/4" hose / 1/2" NPT

Inlet Strainer

Part. No.	Mesh	KlickTite™ Connector
09-24653-02CN	40	Built-in KlickTite™ 1x 1/2" hose / 3/8" NPT 1x 3/4" hose / 1/2" NPT
09-24653-03CN	40	Built-in KlickTite™ Bulk pack w/o connectors

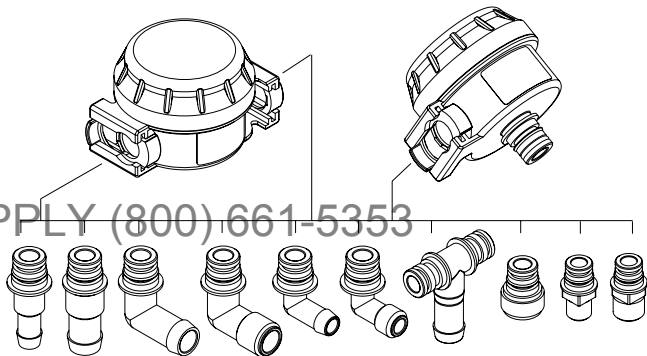


KlickTite™ port connectors

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

Order No.	Description
09-46957	2 pcs/package 2 x 1/2" hose and 3/8" NPT
09-46958	2 x 3/4" hose and 1/2" NPT
09-46939	2 x 90°, 3/4" hose
09-47088	2 x 90°, 1/2" NPT
09-46938	2 x 90°, 1/2" hose
09-47089	2 x 90°, 3/8" NPT
09-47094	2 x Garden hose adapter
09-47087	2 x 90° 1/2" BSP / 1/2"-14 NPSM
09-47098	2 x 1/2" BSP / 1/2"-14 NPSM

Order No.	Description
09-47092	1 piece/package 1 x T-connection, 3/4" barb



Inline strainer

Total length: 230 mm
Diameter: 32 mm



Order No.	Description
48-80035	Inline strainer, 1/2" hose
48-80036	Inline strainer, 3/4" hose
48-80037	Inline strainer, 3/4" BSP

Accumulator tank

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

Volume	2 ltr/0.5 gal
Port connections:	1/2" or 3/4" hose
Height:	315 mm/12.4"
Diameter:	160 mm/6.3"
Weight:	1,2 kg/2.7 lbs



Order No.	Description
09-46839-01	1/2" hose connection
09-46839-02	3/4" hose connection

Adapter kit quick connection to hose

In order to improve operation of the Aqua Jet pumps together with any type of quick connect tubing, Johnson Pump recommends a piece of flexible hose on the inlet and outlet of the pump. In order to facilitate these installations Johnson Pump offers this Adapter kit from either 15 mm tube to 1/2" hose or 22 mm tube to 3/4" hose.

Order No.	Description
09-36079-01	Adapter 15 mm quick conn 1/2" hose
09-36079-02	Adapter 22 mm quick conn 3/4" hose



HEAVY DUTY SUBMERSIBLE BILGE PUMPS



CE marked according to following standards:

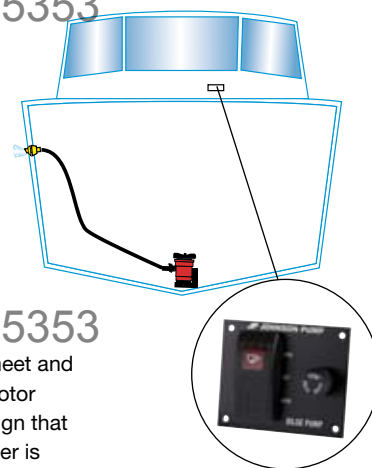
- EN55014: 1993/Radio disturbance
- ISO8846: Small Craft – Electrical devices
 - Protection against ignition of surrounding flammable gases
- ISO8849: Small craft – Electrically operated bilge pumps
- ISO10133: Small Craft – Electrical systems
 - Extra-low voltage DC installations

Choose the Johnson Pump range of submersible bilge pumps and you will not be disappointed. With a variety of mounting options, capacities of 30 to 252 L/min and clip on optional automatic switch. Johnson Pump submersible pumps can handle most of the bilge pump applications. Heavy duty motors with stainless steel (SS2343) shaft and tough thermoplastic bodies provide for a long pump life. With the Johnson Pump automatic switch installed, the pump automatically comes on when there is water in the bilge and shuts off when it is dry. Submersible bilge pumps are not self-priming and must be installed in the deepest part of the bilge.

MARINE PARTS SUPPLY (800) 661-5353

Submersible Bilge Pumps

The most economic bilge pump offering low cost and easy installation. Should be mounted in the lowest point in the bilge. The Cartridge pumps, 500GPH-1250GPH as well as 1600 -4000, can be combined with Johnson Pump new Ultima switch for fully automatic bilge pumping operation. The series of Ultima Combo 500GPH-1250GPH UC is equipped with an Ultima switch. By using Johnson Pump bilge pump control panel, the pump can also be run manually. The Johnson Pump series of submersible bilge pumps offer a wide range with various flows.



Heavy Duty Bilge Pump series 1600-2200-4000 – 12 or 24 V DC

The best choice when you are looking for a high performance, heavy duty bilge pump that is designed to meet and exceed the tough demands of commercial and recreational duty. This pump has a liquid cooled, 12-pole motor with double ball bearings for extended service life. The L2200 motor is sealed off by a mechanical seal design that eliminates shaft wear and allows for service and replacement, while the L1600 model has lipseal. The impeller is carefully designed and tested to maximize head and flow.

The L4000 high capacity, heavy duty bilge pump has been developed by Johnson Pump as the premier pump in our submersible bilge pump range. Featuring a robust motor design, mechanical shaft seal, high impact ABS plastic and unique threaded port design, the L4000 will out perform all other comparable pumps on the market. Universal base plate and a choice of 1½" or 2" ports makes for a simple installation.

All L1600-L4000 pumps include a removable check valve.

Now with removable check valve

	1600	2200	4000
Shaft:	SS2343	SS2343	SS2343
Wire size:	16GA	16GA	14AWG
Max dia:	108 mm/4.25"	108 mm/4.25"	121 mm/4.8"
Max height:	149 mm/5.86"	177 mm/7"	216 mm/8.5"
Weight:	1.3 kg/2.75 lbs	2.7 kg/6 lbs	2.45 kg/5.4 lbs



MARINE PARTS SUPPLY (800) 661-5353

Order No.	Pump model	Capacity		Amperage	Fuse size	Hose size
		1.0 m head (13.6 V/27 V)	straight (13.6 V/27 V)			
16004	1600 12 V	98 L/min - 1550 GPH	100 L/min - 1600 GPH	7 A	10 A	1½" and 1¼"
16084	1600 24 V	98 L/min - 1550 GPH	100 L/min - 1600 GPH	3.5 A	6 A	1½" and 1¼"
22004	2200 12 V	120 L/min - 1900GPH	130 L/min - 2060 GPH	7.5 A	12 A	1½" and 1¼"
22084	2200 24 V	120 L/min - 1900GPH	130 L/min - 2060 GPH	4.5 A	6 A	1½" and 1¼"
40004	4000 12 V	164L/min - 2600 GPH	252 L/min - 4000 GPH	15 A	25 A	1½" and 2"
40004-24	4000 24 V	164 L/min - 2600 GPH	252 L/min - 4000 GPH	7.5 A	15 A	1½" and 2"

MARINE PARTS SUPPLY (800) 661-5353

Ultima Bilge™ Digital Auto Bilge Pump

UltimaBilge™ Pumps are the latest addition to the Johnson Pump lineup. Integration of the patented Ultima "field effect" sensing technology into the bilge pump body creates a sleek, reliable compact, unit ready to install and run for years and years of unerring service. Available in 600-800-1000-1250 GPH versions. Voltage 12 V DC. For UltimaBilge™ 600GPH-1000GPH, we have easy-to-install Dura-Port discharge ports to eliminate stress cracking caused by over-tightened hose clamps. These pumps will be delivered including both a straight and a 90° smooth elbow Dura-Port. For UltimaBilge™ 1250GPH we include threaded 1.1/4" & 1.1/8" discharge port. All version are delivered with a removable check valve.

Dimensions: L=6", W=3.2", H=4.1"

Weight: 23.3 oz.



Order No.	Pump model		Capacity		Amperage	Fuse size	Hose size
			1.0 m head (13.6 V)	Capacity straight (13.6 V)			
32-47258-003	600 GPH	12V	32 L/min - 500 GPH	38 L/min - 600 GPH	2.5 A	5 A	3/4"
32-47259-003	800 GPH	12V	38 L/min - 600 GPH	51 L/min - 800 GPH	3 A	5 A	3/4"
32-47260-003	1000 GPH	12V	44 L/min - 700 GPH	64 L/min - 1000 GPH	3.2 A	5 A	3/4"
32-47261-002	1250 GPH	12V	51 L/min - 800 GPH	79 L/min - 1250 GPH	3 A	5 A	1.1/8" and 1.1/4"

Cartridge Bilge Pumps 500, 750, 1000, 1250 GPH

for 12 V DC or 24 V DC for 1000 and 1250 incorporate some of the most advanced features in the industry, features developed from service in a wide variety of uses including racing, cruising, sport fishing, and demanding commercial duties. For 500-1000, we have improved the design with easy-to-install Dura-Port discharge ports to eliminate stress cracking caused by over-tightened hose clamps. The pumps will be delivered including both a straight and a 90° smooth elbow Dura-Port, as well as a removable check valve.

Max dia: 2.75"
 Max height: 4.4"
 Weight: 500, 750, 1000 9.6 oz
 1250 10.4 oz

1000GPH & 1250GPH also available in 24V



Order No.	Pump model		Capacity		Amperage:	Fuse size	Hose size
			1.0 m head (13.6 V)	Capacity straight (13.6 V)			
32503	500	12V	33 L/min - 525 GPH	40 L/min - 630 GPH	2.5 A	5 A	3/4"
32703	750	12V	44 L/min - 700 GPH	50 L/min - 800 GPH	3 A	5 A	3/4"
32903	1000	12V	50 L/min - 800 GPH	63 L/min - 1000 GPH	3.2 A	5 A	3/4"
32903-24	1000	24V	50 L/min - 800 GPH	63 L/min - 1000 GPH	2 A	3 A	3/4"
42123*	1250	12V	60 L/min - 952 GPH	73 L/min - 1150 GPH	3 A	5 A	1.1/8"
42123-24*	1250	24V	60 L/min - 952 GPH	73 L/min - 1150 GPH	2 A	3 A	1.1/8"

*) Do not include Dura-Port connection

Ultima Combo

The Ultima Combo combines the line of Cartridge Bilge Pumps with automatic operation. The pump is equipped with the new Ultima switch. Voltage 12 V DC as well as 24 V DC for 1000 UC and 1250 UC. For 500 UC - 1000 UC, we have easy-to-install Dura-Port discharge ports to eliminate stress cracking caused by over-tightened hose clamps. The pumps will be delivered including both a straight and a 90° smooth elbow Dura-Port as well as a removable check valve.

Max dia: 3x4"
 Max height: 4.4"
 Weight: 500GPH-1000GPH 14.4 oz
 1250GPH 16 oz

1000GPH and 1250GPH also available in 24 V



Order No.	Pump model		Capacity		Amperage	Fuse size	Hose size
			1.0 m head (13.6 V)	Capacity straight (13.6 V)			
07503	500 GPH Ultima Combo	12V	33 L/min - 525 GPH	40 L/min - 630 GPH	2.5 A	5 A	3/4"
07703	750 GPH Ultima Combo	12V	44 L/min - 700 GPH	50 L/min - 800 GPH	3 A	5 A	3/4"
07903	1000 GPH Ultima Combo	12V	50 L/min - 800 GPH	63 L/min - 1000 GPH	3.2 A	5 A	3/4"
07904-24	1000 GPH Ultima Combo	24V	50 L/min - 800 GPH	63 L/min - 1000 GPH	2 A	3 A	3/4"
08203*	1250 GPH Ultima Combo	12V	60 L/min - 952 GPH	73 L/min - 1150 GPH	3 A	5 A	1.1/8"
08204-24*	1250 GPH Ultima Combo	24V	60 L/min - 952 GPH	73 L/min - 1150 GPH	2 A	3 A	1.1/8"

*) Do not include Dura-Port connection

Multiple Port Shower Sump

This compact shower sump system is designed to meet the higher demands from today's boating industry where more and more equipment is used. This also includes the fresh water system onboard and involves showers, dish-washing machines, galley's sink etc. The shower sump turns on/off automatically using our Ultima switch technology and has multiple inlet ports for handling waste water from more than one tapping point. Equipped with a check valve on the outlet avoids water coming back into the tank. The tank has a tight-fitting lid to minimize splashing and odors. To further aid in cleaning, the system includes a filter mesh that removes with ease. Replaceable motor cartridge and switch makes maintenance a snap!



Capacity, straight (13.6 V): 61 L/min /972GPH
 Capacity 1.0 m head (13.6V): 53 L/min /844GPH
 Voltage: 12 V / 24 V DC
 Amperage: 3.4 A / 2 A
 Fuse size: 5 A / 3 A
 Intake hose: 1x3/4", 1x3/4" or 1x1", 1x1.1/8" or 1x1 1/2"
 Discharge hose: 3/4"
 Max dia: 290mm/11.42"
 x210 mm/8.26"
 Max height: 145 mm/5.7"
 Weight: 0.95 kg/2 lbs

Order No.
 57151 12V
 57151-24 24V
 54304 Clear sump cover

Bilge Alert™

High water alarm featuring new digital technology using the patented Mirus field effect cell. Totally sealed fluid detector cells are never in contact with water, will not corrode and are not affected by oil or debris. Bilge Alert detects water and sends a signal (8 seconds delay) to the alarm and switch conveniently mounted on a panel. Three way rocker switch allows alarm to be tested, turned off and armed.



Automatic Switch AS888

For full automatic bilge pumping operation, connect the automatic switch to your bilge pump. The AS888 automatic switch has a time-proven micro switch without mercury. When water exceeds the acceptable level, the pump is turned on by a rolling steel ball, which changes the pressure on the micro switch. The AS888 attaches to any Johnson Pump bilge pump through the clip on "T-slot" and can be used with 6, 12, 24 or 32 V systems. Use AS888 for a better and safer life afloat!

Order No. Max Amp.
 26014 15A



Model No.	Description
72303-001	Bilge Alert, High Water Alarm 12 V
72303-002	Bilge Alert, High Water Alarm 24 V

Ultima Switch™

New digital technology uses the patented Mirus field effect detector cells producing micro-electrical fields that detect disruptions caused by water and fluids. Detector cells are totally sealed and are never in contact with the water, will not corrode and are not affected by oil or foreign debris. No moving parts, totally sealed solid state electronics and field detectors, no mercury and no exposed sensors eliminate corrosion possibilities and make the Ultima switch environmentally sensitive. Ultima activates at a 50 mm (2") fluid level and deactivates at a 20 mm (3/4") fluid level. A 3 second delay prevents false starts. Ultima switch is rated to handle pumps up to 20 amps at 12 or 24 volts.



Model No.	Description
36303	ULTIMA Switch 20 Amp Max 12/24 V



MARINE PARTS SUPPLY (800) 661-5353

Johnson Pump Bilge Mate

A low budget alternative designed for long life and high performance capacity. The low cost choice for boat owners who still look for quality.

Capacity, straight: 30 L/min/400 gph
 Voltage: 12 V DC
 Amperage: 2 A
 Fuse size: 3 A
 Hose size: 3/4"
 Max dia: 115 mm/4.5"
 Max height: 100 mm/4"
 Weight: 0.35 kg/12oz.

Order No.
21405



Spare motor for cartridge

Upgrade the output of your bilge pump in a matter of a few minutes by replacing the cartridge. Cleaning debris from the impeller has never been simpler or easier.



Order No.
 28552 Motor for 500 GPH pumps
 28572 Motor for 750 GPH pumps
 28512 Motor for 1000 GPH pumps
 42522 Motor for 1250 GPH pumps



Lift a tab at the top, give the cartridge a twist, and pull the all-in-one motor/impeller unit out of the Cartridge.

MARINE PARTS SUPPLY (800) 661-5353

Bilge Pump Control – 12 or 24 V

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

Size: 2.99" x 2.17" x 1.57"

Order No.
 82004 12 V
 82004-24 24 V



Side Mount Bracket

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



Order No. Description
 10605 Side mount bracket
 54311 110° angled side bracket

MARINE PARTS SUPPLY (800) 661-5353



MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

LIVEWELL AERATING PUMPS

Twin Port Pumps

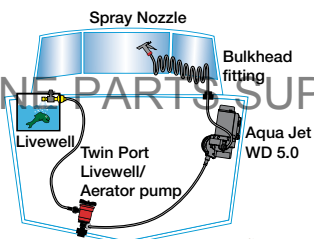
offer the convenience of using only one intake for both the live well and raw water wash down pump. The 3/4" tapered inlet connects directly to the sea cock and the upper outlet port provides a continuous flow of water through the 3/4" discharge to the live well while the lower outlet port connects to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



Model No. Description

48503	550 GPH
48703	750 GPH
48903	950 GPH
48103	1250 GPH*

*1 1/2" discharge to livewell



Cartridge Aerator Pump

Livewell pumps in 500 GPH and 750 GPH capacities with two different intake configurations of straight and 90°. Smaller profiles to fit in more confined spaces. Easy to change motor cartridge. Johnson Pump cartridge aerator pumps offer the ease of convenience and years of reliable service.



Model No.	Description
28503	500 GPH straight
38503	500 GPH 90°
28703	750 GPH straight
38703	750 GPH 90°

Model No.	Description
28103	1000 GPH straight
38103	1000 GPH 90°



Aqua Jet WD/Livewell Pump Kit 5.2

Aqua Jet Wash Down/Livewell pump kit makes it easy to add a wash down and live well pump to any boat. Including;

- Aqua Jet WD 5.2, 5 bar (70 psi) pump, 1/2" NPT/hose 3/4", 3/4" GHT.
- 550 GPH Twin Port live well pump, inlet 3/4" NPTx1" length, Discharge; Livewell 3/4" straight or 90° hose, WD 1/2" FNPT, 3/4" MNPT or 3/4" hose
- Bulk head fitting with valve, - inlet 3/4" hose, outlet 3/4" GHT
- 7.5 meters (25') of coiled wash down hose 3/4" GHT
- PUMProtector inlet strainer
- Spray nozzle
- Aerating head, 3/4" hose
- 2 illuminated panel switches

Order No	Description
34024	Aqua Jet 5.2 WD/ 550 Livewell Pump Kit 12 V

PRO SERIES 1600 GPH Aerator

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

Capacity at 13.6V: 0' head	100 L/min. 1600 GPH
Capacity at 13.6V: 3' head	98 L/min. 1550 GPH
Max Head:	16 ft. (5m)
Voltage:	12V DC.
Amp Draw:	7 amps.
Fuse Size:	10 Amp.
Hose size:	1 1/2"

Order No.	Description
1600B	1600 GPH 12V
1600B-24	1600 GPH 24V



Ice Chest Aerator kit

converts any good sized ice chest (Esky) into your own portable live bait tank. The Ice Chest Aerator will keep your live bait alive, or catch fresh, even during the heat of the day. Includes a sturdy Bilge Mate pump, hose, spray bar, press on clamp, battery clamps and clear-cut instructions. Since there are no holes to drill the chest can always be returned to its original purpose. Note! Actual product Mayfair Marine branded and may not include all items pictured.



Model No.	Description
24052	Ice Chest Aerator kit

In-well Aerator kit

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



Model No.	Description
34024	In-well Aerator kit

BILGE, DECKWASH AND REFUELLING



CE marked according to following standards:

F2P10-19, F3B-19, F4B-19, F4B-11

- EN50082-1: 1992/Generic EMS Standard
- EN55014: 1993/Radio disturbance
- IEC801-2: 1984/Electrostatic Discharge
- IEC801-3: 1984/Radiated Immunity Test
- ISO8846: Small Craft – Electrical devices – Protection against ignition of surrounding flammable gases
- ISO8849: Small Craft – Electrically operated bilge pumps
- ISO10133: Small Craft – Electrical systems – Extra-low voltage d.c. installations

F5B-19 12/24 V

- EN55014: 1993/Radio disturbance

With their high level of flexibility, these pumps are ideally suited for use in boats as bilge and deckwash pumps, fresh water pumps, refuelling pumps for oil and diesel. These pumps may be combined with a vacuum switch for automatic operation.

Capacities vary from max 14 L/min to 55 L/min, allowing the proper matching of the pump to the application. All motors are heavy duty to provide long service life even under heavy use. Available in 12 or 24 volts.

Oil Change

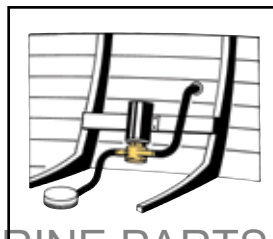
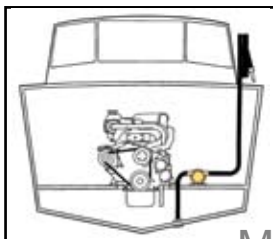
These DC driven flexible impeller pumps are deally suited for drain and refueling of both engine oil and diesel.

Deckwash Pumping

DC driven flexible impeller pumps for deckwash. Heavy duty electrical self-priming deckwash pumps with long life motor which can run continuously under certain conditions. Flexible impeller pumps must not be run dry.

Bilge Pumping

Bilge pumps with excellent suction and pressure ability. Solid particles and debris can be handle without damaging the pump. Should be installed in a dry, well ventilated position above, but as close to the liquid as possible. As the pumps must not be run dry, it is recommended to combine it with Johnson Pump vacuum switch that cuts off the current to the pump when the bilge is dry. For automatic/manual bilge pumping the pump can be combined with Johnson Pump bilge control panel and automatic switch. **Must not be run dry.**



Pressure and Capacity Data

(based on water at 20°C/68°F)

F2P10-19					Ampere draw	
Bar	kPa	psi	l/min	USGPM	12V	24V
Cont. Duty						
0	0	0	15.0	4.0	5.6	4.0
0.1	10	1.45	14.5	3.8	5.7	4.0
0.2	20	2.90	14.0	3.7	5.8	4.1
0.3	30	4.35	13.5	3.6	5.9	4.1
0.6	60	8.7	11.0	2.9	6.1	4.2
Intermittent duty						
0.75	75	10.8	9.6	2.5	6.5	4.3
0.9	90	13.0	7.0	1.8	6.5	4.8
Fuse required					15 A	8 A

F3B-19					Ampere draw	
Bar	kPa	psi	l/min	USGPM	12V	24V
Cont. Duty						
0	0	0	21.0	5.5	8.4	4.0
0.1	10	1.45	20.5	5.4	8.5	4.0
0.2	20	2.9	20.0	5.3	8.6	4.1
0.3	30	4.35	19.5	5.2	8.8	4.1
0.6	60	8.7	17.8	4.7	9.0	4.2
Intermittent drift						
0.9	90	13.0	15.6	4.1	9.6	4.3
1.2	120	17.4	12.1	3.2	10.3	4.8
Fuse required					15 A	8 A

F38B-19					Ampere draw	
Bar	kPa	psi	l/min	USGPM	12V	24V
Cont. Duty						
0	0	0	35.0	9.2	10.9	5.0
0.1	10	1.45	33.8	8.9	11.0	5.1
0.2	20	2.9	32.2	8.5	11.0	5.1
0.3	30	4.35	31.0	8.2	11.1	5.2
0.6	60	8.7	25.5	6.7	11.9	5.4
Intermittent duty						
0.9	90	13.0	15.3	4.0	13.6	6.0
1.2	120	17.4	11.0	2.9	15.8	7.1
Fuse required					20 A	10 A

F4B-19					Ampere draw	
Bar	kPa	psi	l/min	USGPM	12V	24V
Cont. duty						
0	0	0	48.0	12.7	12.2	6.5
0.1	10	1.45	45.0	11.9	12.3	6.7
0.2	20	2.9	44.5	11.7	12.2	6.8
0.3	30	4.35	41.0	10.8	13.1	7.1
0.6	60	8.7	34.0	9.0	14.9	7.5
Intermittent duty						
0.9	90	13.0	25.0	6.6	16.5	7.8
1.2	120	17.4	17.0	4.5	18.3	8.8
Fuse required					15 A	8 A

F5B-19					Ampere draw	
Bar	kPa	psi	l/min	USGPM	12V	24V
0	0	0	55.0	14.5	23.2	11.9
0.3	30	1.45	49.4	13.1	24.2	12.8
0.6	60	8.7	39.9	10.5	25.1	13.3
0.9	90	13.0	30.1	8.0	26.2	14.0
1.2	120	17.4	19.3	5.1	28.0	14.7
1.5	150	21.76	9.3	2.4	29.8	15.3
Fuse required					50.0 A	25.0 A
Recommended wire size					16 mm ²	6 mm ²



DC driven Flexible Impeller pump

F2P10-19 is a fully equipped, self-priming multipurpose pump operating on a simple and uncomplicated principle. Ideal for pumping water, oils and chemicals.

F3B-19, F38B-19, F4B-19 are perfect for bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, etc.

F5B-19 is for bilge pumping, deckwash, water circulation, oil and diesel refuelling at dockside service, etc.

The motor can be run continuously up to 0.5 bar *) and for max 1 hour at 1 bar *).

Vacuum switch as extra accessory for F3B-19, F4B-19 and F5B-19, see below.

NOTE! Do not use any of the pumps mentioned above for pumping paraffin or other thin petroleum products

**) At nominal voltage and room temperature.*

Ultra Ballast pump F4B-11

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

Note! Only for waterhandling. For technical information see table above.



Pump	Part no	Motor	Body	Impeller	Seal	Connection	Length	Width	Height	Weight
F2P10-19	10-24180-1	12V	PTMT	09-1077B-9	Lip seal	1/2" hose	172mm/6.8"	117mm/4.6"	78mm	1,6kg/3.5 lbs
F2P10-19	10-24180-2	24V	PTMT	09-1077B-9	Lip seal	1/2" hose	172mm/6.8"	117mm/4.6"	78mm	1,6kg/3.5 lbs
F3B-19	10-24516-03	12V	Bronze	09-1052S-9	Lip seal	3/8" NPT	170mm/6.7"	113mm/4.4"	82mm/3.22"	2kg/4.5 lbs
F3B-19	10-24516-04	24V	Bronze	09-1052S-9	Lip seal	3/8" NPT	170mm/6.7"	113mm/4.4"	82mm/3.22"	2kg/4.5 lbs
F3B-19 Oil Change	10-24760-03	12V	Bronze	09-843S-9	Lip seal	3/8" -18 NPTF	70mm/6.7"	113mm/4.4"	115mm/4.5"	2,1kg/4.5 lbs
F3B-19 Oil Change	10-24760-04	24V	Bronze	09-843S-9	Lip seal	3/8" -18 NPTF	70mm/6.7"	113mm/4.4"	115mm/4.5"	2,1kg/4.5 lbs
F38B-19	10-24727-03	12V	Bronze	09-824P-9	Lip seal	Hose 1" / 1/2" NPT	180mm/7"	120mm/4.72"	90mm/3.54"	3kg/6.6 lbs
F38B-19	10-24727-04	24V	Bronze	09-824P-9	Lip seal	Hose 1" / 1/2" NPT	180mm/7"	120mm/4.72"	90mm/3.54"	3kg/6.6 lbs
F4B-19	10-24689-03	12V	Bronze	09-824P-9	Lip seal	Hose 1" / 1/2" NPT	202mm/8"	120mm/4.72"	90mm/3.54"	3kg/6.6 lbs
F4B-19	10-24689-04	24V	Bronze	09-824P-9	Lip seal	Hose 1" / 1/2" NPT	202mm/8"	120mm/4.72"	90mm/3.54"	3kg/6.6 lbs
F4B-11 Ultra Ballast	10-24690-03	12V	Bronze	09-824P-1	Lip seal	Hose 1" / 1/2" NPT	202mm/8"	120mm/4.72"	90mm/3.54"	3kg/6.6 lbs
F4B-11 Ultra Ballast	10-24690-04	24V	Bronze	09-824P-1	Lip seal	Hose 1" / 1/2" NPT	202mm/8"	120mm/4.72"	90mm/3.54"	3kg/6.6 lbs
F5B-19	10-24188-4	12V	Bronze	09-1027B-9	Mech. seal	3/4" NPT	258mm/10.15"	131mm/5.15"	120mm/4.72"	8kg/17.5lbs
F5B-19	10-24188-5	24V	Bronze	09-1027B-9	Mech. seal	3/4" NPT	258mm/10.15"	131mm/5.15"	120mm/4.72"	8kg/17.5lbs

Polarity Reversing Switch Kit

For Ultra Ballast pump F4B-11

Order No.
09-47196



Vacuum Switch

See page 24

Order No. 09-45053



Oil Change pump

The Johnson F3B-19 Oil Change Pump is reversible rubber impeller pump with integrated quick reversing switch.

The pump is designed to remove old oil from the engine, and then with the integral reversing switch, the flow direction can be changed to pump a measured amount of new oil back into the engine. The switch has three modes pumping in oil – off – pumping out oil.

Dimension see table above

Order No.
10-24760-03 12V
10-24760-03 24V



New!

F3P10 Mini pump

Portable selfpriming pump suitable for chemicals, oils, diesel fuel and water. Selfpriming up to 2 m. 17 litre/minute at 2800 RPM. 1/2" hose connections. Fits any standard drilling-machine. Do not run dry for more than 10 seconds. Do not use for gasoline or other highly flammable liquids.

Order No.
10-32579-1



Deckwash Kit for F4B-19

For convenient deckwash. Includes

- Pressure switch
- Check valve
- Trigger nozzle

Order No.
09-46553



BILGE, WASTE AND TOILET HANDLING

CE CE marked according to following standards:

Recreational Craft Directive 94/25/EEC

ISO8846: Small Craft – Electrical devices – Protection against ignition of surrounding flammable gases

ISO10133: Small Craft – Electrical systems – Extra-low voltage d.c. installations

ISO8849: Small Craft – Electrically operated bilge pumps

Electromagnetic Compatibility Directive 89/336/EEC

EN55014: 1993/Radio disturbance



Crank for manual handling

Viking Power 32 & Viking Power Vacuum – Compact toilet handling and waste water pump

The Viking Power 32 and Viking Power Vacuum diaphragm pumps have been designed to meet the rigorous demands of the world's leading manufacturers of boats, recreational vehicles and busses. Thanks to its single-chamber design and non-choke valves, the Viking Power 32, can be used to pump un-macerated sewage to a holding tank or transfer it onwards to a septic tank. The Viking Power Vacuum has double check-valves and can therefore also be used in vacuum toilet systems. Naturally, pumping ordinary shower or sink drain water or bilge water is no problem for either pump.

Like the Viking Power 16, this new pump has been engineered with a ball-bearing supported transmission for long service life. The pump can not only be run dry, it can also handle a mixture of air and water without difficulty. The Viking Power 32/Vacuum provides maximum flow of 32 liters per minute and is self-priming up to a height of 2.5 (32) or 5 (Vacuum) meters. Although powered by an electric motor, this pump can also be cranked by hand in an emergency. The pump has been designed to prevent the leakage of unpleasant odors; and the Viking Power 32/Vacuum can be installed in a variety of different positions. The Viking Power 32/Vacuum is built to last, yet priced competitively.

Viking Power 32 & Viking Power Vacuum Features

- Maximum flow 32 l/min
- Specifically engineered to pump black wastewater
- Uncompromising odor-prevention features
- Whisper quiet operation
- Self-priming
- High-impact glass-fiber reinforced nylon body
- Ball-bearing supported transmission
- Non-choke valves – no waste shredding required
- Pump head rotatable 360°
- Double check valves on Viking Power Vacuum
- Self-priming up to 2.5 meters (8.2 feet)
- Can be run dry and can pump air/water mixture
- Robust single diaphragm
- Electric motor with power-out, manual-crank backup
- Complies with ISO 15083 and small craft bilge pump standard for vessels above 12 m (39.4 ft)

Technical specifications:

Capacity: 32 l/min (8.5 GPM) open flow

30 l/min (7.9 GPM) at 0.1 bar

Max head: 4 m (13.1 ft)

Max lift: VP32: 2.5 m (8.2 ft) VP Vacuum: 5 m (11.5 ft)

Dimensions

VP32: 277 mm long x 264 mm wide x 192 mm high
10.9 in. x 10.4 in. x 7.6 in.

VP Vacuum: 357 mm long x 271 mm wide x 192 mm high
14 in. x 10.7 in. x 7.6 in.

Ports: 38 mm diameter (1½")

Weight: VP32: 5.0 kg (11.0 lbs) VP Vacuum: 5.1 kg (11.2 lbs)

Motor: 3.5 amp (12V), 1.8 amp (24V) at 0.1 bar

12/24V DC (with built-in thermal protection)

Body: Nylon

Valves: Nitrile rubber

Diaphragm: Reinforced nitrile rubber

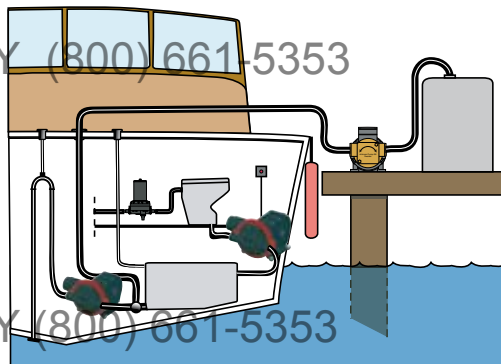
Order no.

10-13373-03 Viking Power 32 12 V

10-13373-04 Viking Power 32 24 V

10-13373-07 Viking Power Vacuum 12 V

10-13373-08 Viking Power Vacuum 24 V





Viking Power 16

Features

- Specifically designed to pump wastewater
- Easy to install, even in tight spaces
- Quiet operation
- High-impact glass-fiber reinforced nylon body
- Ball-bearing supported transmission
- Non-choke valves – no filters required
- Self-priming up to 3 meters (9.8 feet)
- Can be run dry and can pump air/water mixture
- Robust single diaphragm
- KlickTite™ XL connectors standard
- 12V or 24V motors
- Low power consumption
- Complies with ISO 15083 and small craft bilge pump standard for vessels up to 12 m (39.4 ft).



Perfect for installation in tight spaces, the Viking Power 16 shower drain pump can be incorporated into a small boat wastewater system in several different pump/motor configurations. Compact, robust and adaptable, this pump can be mounted virtually anywhere on board. The Viking Power 16 has KlickTite™ XL connectors fitted as standard, literally making hose connections a snap!

Grey Water Tank

The Grey water tank is designed to be used as collection tank for waste water from showers, sinks, dishwashing machines, etc with 19 mm, 25 mm and 38 mm inlet ports, and 19 mm and 25 mm outlet ports. The tank includes an Ultima Switch for automatic operation and is easy to connect to any 12V/24V pump up to 20 amp. The tank is prepared for Viking Power 16, with pre-drilled holes for the pump. Dimensions: 185x280x340 mm

Order no: 09-13384
 Grey Water Tank
 excl. Viking Power 16



Viking Power 16 – Compact shower drain, bilge and waste water pump

An ultramodern, single-chamber, self-priming diaphragm pump that can be set up in several different pump/motor configurations. It is easy to install anywhere after the drain outlet in the wastewater system or as a bilge pump in any leisure craft -- new or used.

Its non-choke valves mean that no in-line filters are necessary, and the pump can not only be run dry, it can also handle a mixture of air and water without difficulty. The Viking Power 16 is self-priming up to a height of 3 meters.

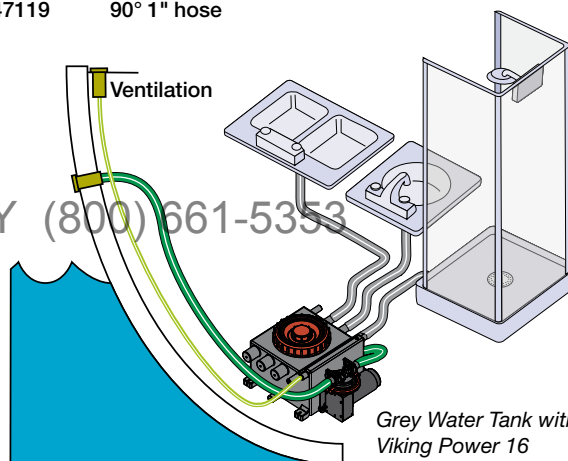
With its low pulse and muffled rubber bracket, this pump offers quite operation. Specifically designed to pump wastewater, the Viking Power 16 has been built to last, and engineered for easy maintenance. When it comes time to replace the premium grade reinforced nitrile rubber diaphragm, you can put in a spare without even removing the pump from the system. Delivered with 1" hose and ¾" hose ½" BSP KlickTite™ XL connectors. 90° KlickTite™ XL connectors available as extra accessory.

Technical specifications:

Capacity:	16 l/min (4.2 GPM) open flow (15 l/min at 0.1 bar)
Max. head:	3 meters (9.8 feet)
Max. lift:	3 meters (9.8 feet)
Dimensions:	186 mm long x 235/181 mm wide x 118/204 mm high 7.3 in. x 9.3/7.1 in. x 4.6/8 in.
Connection:	KlickTite™ XL connectors for 1" hose or ¾" hose and ½" BSP threads; straight and 90° (optional)
Weight:	2.6 kg (5.7 pounds)
Motor:	2.3 amp (12V), 1.2 amp (24V) at 0.1 bar 12/24V DC (with built-in thermal protection)
Body:	Nylon, glass-fiber reinforced
Valves:	Nitrile rubber
Diaphragm:	Reinforced nitrile rubber

Order No.	
10-13350-03	Viking Power 16 12 V
10-13350-04	Viking Power 16 24 V

Spare parts	
09-47116	Straight ¾" hose
09-47117	Straight 1" hose
09-47118	90° ¾" hose
09-47119	90° 1" hose



Grey Water Tank with Viking Power 16

Macerator Pump



CE marked according to following standards:

Recreational Craft Directive 94/25/EEC

ISO8846: Small Craft – Electrical devices – Protection against ignition of surrounding flammable gases

ISO10133: Small Craft – Electrical systems – Extra-low voltage d.c. installations

Electromagnetic Compatibility Directive 89/336/EEC

EN55014: 1993/Radio disturbance

The Johnson Pump macerator pump, TA3P10-19, takes care of toilet waste. A rotary cutter shreds waste before it is pumped into or out from the holding tank. The pump should be connected as close as possible to the holding tank discharge outlet or the bowl discharge outlet. *Note! Use unbleached lavatory paper only.* Motor has built-in thermal protection reducing the risk of damage when the pump is run dry.

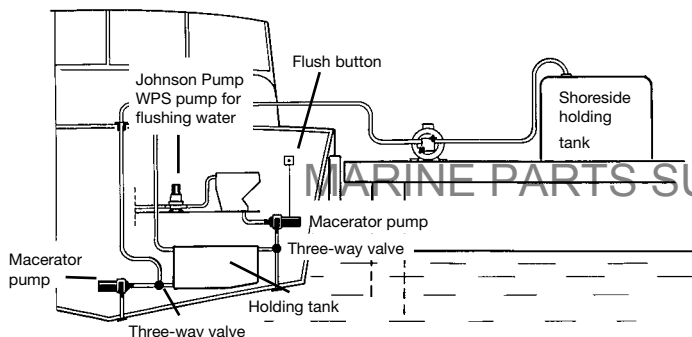
TA3P10-19 – 12/24 V

Pump body: Phenol plastic (PF)
Impeller: 09-1052S-9 (nitrile)
Housing: Thermoplastic polyester (PET)
Shaft: Stainless steel
Seal: Lip seal
Hose connection: Inlet 1.1/2" (dia 38 mm) hose or 1.1/2" NPT
 Outlet 25.4 mm (1") hose
Motor: 12 or 24 V DC (with built-in thermal protection)
Capacity: 37L/min at 0.2 bar (10 GMP at 6.7 ft)

Dimensions and Weight

Length: 230 mm/9.06"
Width: 108 mm/4.25"
Height: 82 mm/3.23"
Weight: 1.9 kg/ 4.2 lbs

Order No.	Max amp draw	Fuse size
10-24453-01 12 V	15	20
10-24453-02 24 V	9	10



Viking Thrudeck and Bulkhead

When the power is out you can always depend on the hand-operated diaphragm bilge pump from Johnson Pump. The Viking pump can also be used for pumping toilet waste due to the large valve openings. The pump is available in two models for various installation alternatives. It can be mounted behind walls, through deck and under bulkheads.

Viking Thrudeck for installation behind vertical wall or under deck with sealing boot, complete with a cover plate. Viking Bulkhead for surface installation with horizontal lever.

Pump Body: PP
Shaft: Stainless steel AISI 316
Screws: Stainless steel AISI 316
Elastomers: Nitrile
Handle: Anodised aluminium
Connection: 1.1/2" or 1" hose

Capacity Data
 (At 1 m/3.28" suction height : 0.9 L/stroke)
Capacity at:
 60 stroke/min 54 L/min / 14.5 GPM
 80 stroke/min 72 L/min / 19 GPM
 100 stroke/min 90 L/min / 24 GPM

Dimensions and Weight

Diameter: 164 mm/6.45"
Handle length: 285 mm/11.22"
Width: 253 mm/9.96"
Height: 133 mm/5.23"
Weight: 2 kg/ 4.5 lbs

Max suction height 4 m/13 ft

Order No.	Description
70-50005	Thrudeck 1.1/2"
70-50025	Thrudeck 1"
70-50007	Bulkhead 1.1/2"
70-50027	Bulkhead 1"



CIRCULATION PUMPS



CE marked according to following standards:

CM10P7-1, CM30P7-1, CM90

EN55014: 1993/Radio disturbance
 ISO8846: Small Craft – Electrical devices – Protection against ignition of surrounding flammable gases
 ISO10133: Small Craft – Electrical systems - Extra-low voltage d.c. installations
 72/245/EEG, 95/54/EG Electromagnetic compatibility

C090P5-1

EN55014: 1993/Radio disturbance
 72/245/EEG, 95/54/EG Electromagnetic compatibility

A line of compact magnetic driven centrifugal pumps, CM10 and CM30 and the new as top of the line; CM90, which combine high flow rates with very low electric current consumption, making them ideally suited for circulating fresh water in live fish tanks, heating and cooling systems. C090 with mechanical seal and a motor is designed for continuous operation. Designed for also handling fresh water handling.

Heavy Duty Magnetic Driven Centrifugal Pump & Heavy Duty Centrifugal Pump

CM10 & CM30

Pump body: PPA thermoplastic
 Impeller: PPS thermoplastic
 O-ring: EPDM
 Shaft: Stainless steel
 Magnet housing: PSU
 Motor: 12/24 V DC enclosed (as per IP67) permanent magnet, ball bearing mounted motor, designed for continuous operation

Liquid temp.: Min -40°C Max +100°C
 Hose connection: Ø 16 mm (5/8") or 20 mm (3/4") hose.

Dimensions and Weight

	CM10P7-1	CM30P7-1
Length:	177 mm/6.97"	177 mm/6.97"
Width:	68 mm/2.68"	68 mm/2.68"
Height:	85 mm/3.35"	85 mm/3.35"
Weight:	0.53 kg/1.2 lbs	0.6 kg/1.3 lbs

Order No.

Ø 16 mm - 5/8"	
10-24501-03	CM10P7-1 12 V, 15L/min at 0.1 bar (4GPM at 3.3 ft)
10-24501-04	CM10P7-1 24 V, 15L/min at 0.1 bar (4GPM at 3.3 ft)
10-24503-03	CM30P7-1 12 V, 20L/min at 0.1 bar (5.2GPM at 3.3 ft)
10-24503-04	CM30P7-1 24 V, 20L/min at 0.1 bar (5.2GPM at 3.3 ft)
Ø 20 mm - 3/4"	
10-24502-03	CM10P7-1 12 V, 18.5L/min at 0.1 bar (5GPM at 3.3 ft)
10-24502-04	CM10P7-1 24 V, 18.5L/min at 0.1 bar (5GPM at 3.3 ft)
10-24504-03	CM30P7-1 12 V, 26L/min at 0.1 bar (6.9GPM at 3.3 ft)
10-24504-04	CM30P7-1 24 V, 26L/min at 0.1 bar (6.9GPM at 3.3 ft)



CM90

Capacity: 90 liters/min (23.7 GPM) at 0.25 bar
 System pressure: -0.3 to +3.0 bar; stationary max. 4.0 bar
 Liquid: water/glycol mixture; max. 60% glycol
 Motor service life: More than 5,000 hours at nominal voltage 10,000 start/stops. Interchangeable motor.
 Motor, voltage: Nominal 13.6V DC for use between 10-16V
 Nominal 27.2V DC for use between 20-32V
 Input power: Max. 125W
 Dry running: 30 minutes
 Dimensions: 244 mm/9.6" long x 120 mm/4.7" wide
 x 150 mm/5.9" high
 Ports: Ø 38 mm (1 1/2")
 Weight: 3.0 kg (6.3 lbs)
 Body: PPA, glass-fiber reinforced
 Mounting: Separate universal bracket for flat surfaces

Order no.

10-24664-01 CM90 12 V
 10-24664-02 CM90 24 V



C090

Pump body: PA66 thermoplastic
 Impeller: PA66 thermoplastic
 Shaft: Stainless steel
 Shaft seal: Mechanical seal
 Motor: 12/24 V DC enclosed (as per IP31) permanent magnet, ball bearing mounted motor, designed for continuous operation
 Liquid temp.: Min -30°C Max +100°C
 Hose connection: Ø 38 mm (1.1/2") hose

Dimensions and Weight

Length:	211 mm/8.3"
Width:	117 mm/4.6"
Height:	110 mm/4.56" from baseplate (totally 116 mm/4.8")
Weight:	1.75 kg/ 3.8 lbs

Order No.

10-24190-1 12 V, 100L/min at 0.1 bar (26.4GPM at 3.4 ft)
 10-24190-2 24 V, 100L/min at 0.1 bar (26.4GPM at 3.4 ft)



TOILETS, MANUAL AND ELECTRIC

AquaT™ Marine toilets

Manual or electric powered

Available in a wide variety of different versions marketed under three basic models — standard and premium electric-powered or manual — the Johnson Pump AquaT™ marine toilet has been designed to meet virtually every conceivable lavatory installation situation onboard.

Priced competitively, the fine finish and well thought-through design of these toilets is remarkable. Made from white vitreous porcelain, and with corrosion resistant parts throughout, the Johnson Pump AquaT™ marine toilet, is quiet, robust and easy to clean. Using the Johnson Pump AquaT™ marine toilet, water inlet and outlet takes place in two distinct steps. First the bowl is filled with clear water, and then the waste is flushed, leaving the bowl empty and clean, with no liquids sloshing about. Naturally, automatic back-flow prevention is incorporated into the design.

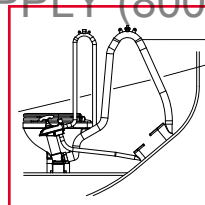
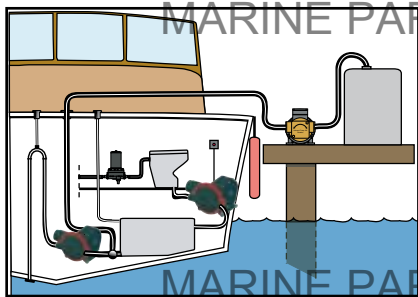
Most models can be ordered with standard, bevelled or low profiles in order to fit almost any hull and bulkhead configuration, and all are available in either compact or comfort versions so you can outfit your marine lavatory with the perfect-sized toilet, no matter what the layout.

The AquaT™ toilet will give you years of trouble free operation. When spare parts such as a new seat or valve are needed, you'll find Johnson Pump's global network of distributors at your service. Power models are shipped with well-proven Aqua Jet diaphragm pumps in either 12V or 24V versions, and the manual version incorporates an ergonomically designed, hand-powered piston pump that can be mounted for either left-hand or right-hand use.

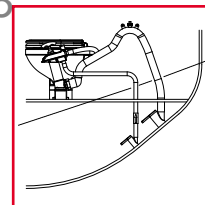
It's probably fair to think of most toilets as commonplace products, but look at the features and you're sure to see that the AquaT™ is far from ordinary. Quiet, hygienic and reliable, the Johnson Pump AquaT™ marine toilet is perfect for almost any marine toilet room.

Technical specifications:

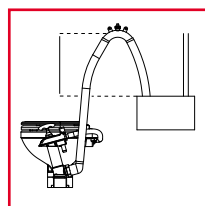
Toilet bowl:	100% vitreous china
Toilet Seat:	Wood with baked enamel finish
Water consumption:	2-2.5 liters per flush
Dimensions:	See page 22
Outlet ports:	Ø 38mm (1½") & 25 mm (1")
Inlet ports:	Ø 19mm (¾")
Weight:	See page 22
Motor*:	13 amp (12V), or 7 amp (24V) Aqua Jet pump



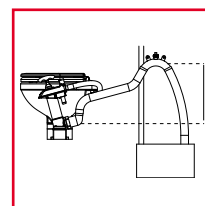
Toilet mounted below the waterline and discharging overboard.



Toilet mounted above the waterline and discharging overboard.



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



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

Features

All versions

- Whisper quiet operation
- Self-priming pump
- Clean lines — pleasing to the eye
- Hygienic, easy-to-clean vitreous china bowl and exterior surfaces
- Robust wooden seat with durable baked enamel finish
- Low water consumption (2-2.5 L/flush) makes the most of holding tank capacity
- Versatile plumbing connection options
- Automatic back-flow prevention
- Available in comfort or compact bowl sizes
- Designed for virtually any onboard mounting position
- May be installed above or below the waterline
- Suitable for OEM or replacement installation
- Corrosion resistant materials throughout
- Long service life

The manual versions

- Ergonomic pump handle for ease of use
- Pump can be mounted left or right of the toilet bowl
- Innovative brake bushing prevents annoying leakage at the handle

AquaT™ Premium



80-47233-01 Low 12 V
80-47233-02 Low 24 V

80-47234-01 Low, bevelled 12 V
80-47234-02 Low, bevelled 24 V

AquaT™ Manual



80-47229-01 Compact

80-47230-01 Comfort



New!

80-47234-03 Solenoid, Low, bevelled 12 V
80-47234-04 Solenoid, Low, bevelled 24 V

The power versions

- Equipped with 12V or 24V Aqua Jet pumps
- Quick-connect hose or threaded connectors
- Complies with ISO 8846, ignition protection, and EN 55014 EMC

AquaT™ Silent Electric



80-47231-01 Compact 12 V
80-47231-02 Compact 24 V

80-47232-01 Comfort 12 V
80-47232-02 Comfort 24 V



80-47235-01 Std. 12 V
80-47235-02 Std. 24 V



80-47236-01 Std. bevelled 12 V
80-47236-02 Std. bevelled 24 V

New!

AquaT™ Bidet

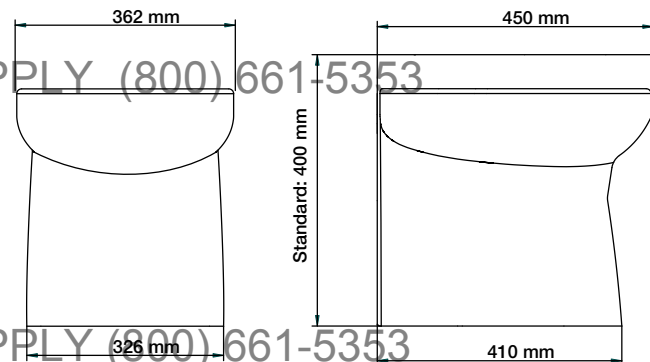
The new line of fitted design bowls in vitreous china makes the bidet very comfortable and at the same time smart and nice to be seen, just like a home bidet.

Note! Will be delivered excluding tap



Order No.	Description
80-47317	Std. Bidé

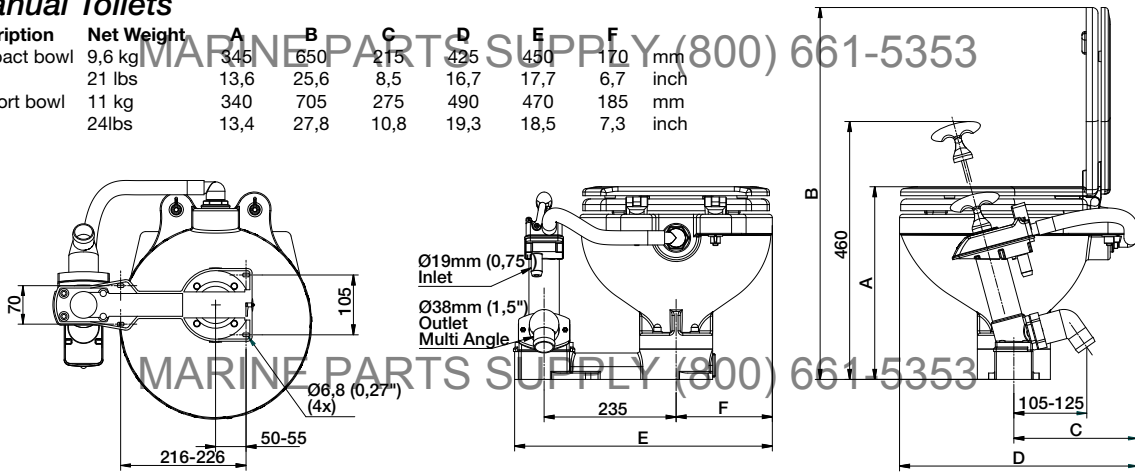
AquaT™ Bidet dimensions



From a name you can trust, the Johnson Pump Aqua™ toilet provides the comfort and convenience of a land-based lavatory at sea — A marine toilet that flushes as quietly as a toilet on land

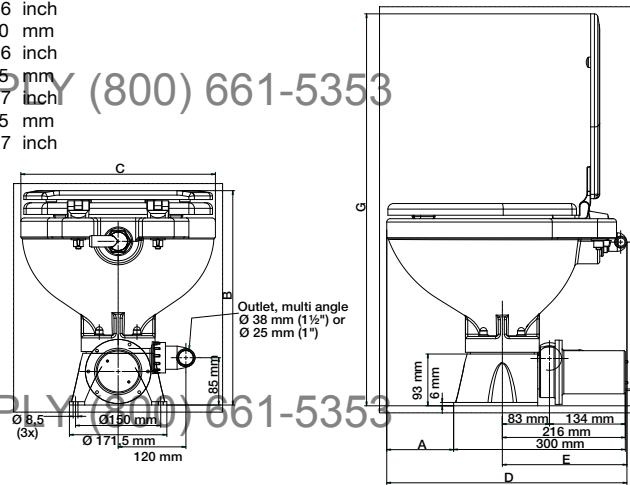
Aqua™ Manual Toilets

Model No	Description	Net Weight	A	B	C	D	E	F
80-47229-01	Compact bowl	9,6 kg 21 lbs	345 13,6	650 25,6	215 8,5	425 16,7	450 17,7	170 6,7
80-47230-01	Comfort bowl	11 kg 24lbs	340 13,4	705 27,8	275 10,8	490 19,3	470 18,5	185 7,3

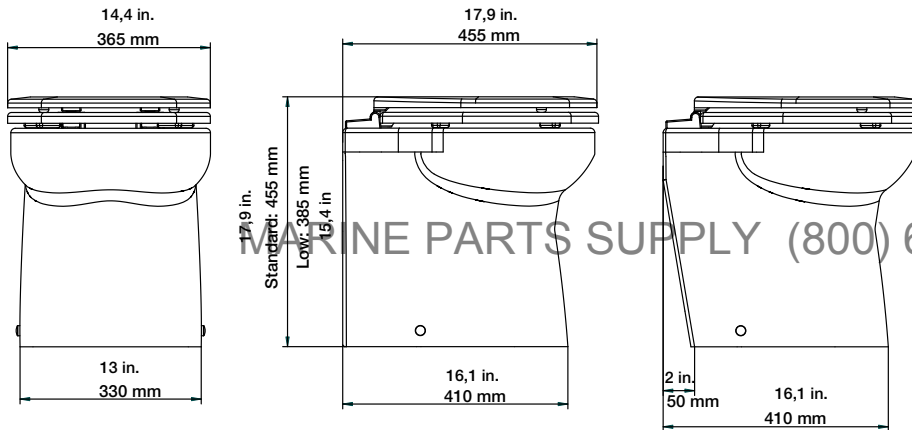


Aqua™ Silent Electric Toilets

Model No	Description	Net Weight	A	B	C	D	E	F	G
80-47231-01	Compact bowl	9,6 kg 21 lbs	120 4,7	390 15,4	335 13,2	420 16,5	215 8,5	290 11,4	700 27,6
80-47231-02	Compact bowl	9,6 kg 21 lbs	120 4,7	390 15,4	335 13,2	420 16,5	215 8,5	290 11,4	700 27,6
80-47232-01	Comfort bowl	11 kg 24 lbs	190 7,5	385 15,2	365 14,4	490 19,3	275 10,8	280 11,0	755 29,7
80-47232-02	Comfort bowl	11 kg 24 lbs	190 7,5	385 15,2	365 14,4	490 19,3	275 10,8	280 11,0	755 29,7



Aqua™ Premium Silent Toilets, Low and Standard



Accessories

Control panel

Order no.	Description
81-36105-01	12 & 24V



Vented loop

Order no.	Description
81-47237-01	3/4"
81-47237-02	1"
81-47237-03	1.1/2"



Y-valve

Order no.
81-47238-01



Flush 2.9 Pump

Order no.	Description
10-24677-03	12V
10-24677-04	24V



Viking Power 32 Toilet handling and waste water disposal pump

Order no.	Description
10-13373-03	Viking Power 32 12 V
10-13373-04	Viking Power 32 24 V



Conversion kit

Order no.	Description
81-47240-01	Conversion kit 12V
81-47240-02	Conversion kit 24V



Solenoid

Connect the solenoid valve and syphon breaker to any existing water pressure system (must deliver 2,9 GPM or 11 l/min or more) and the valve replace an extra water pump for the toilet. The valve ensures that there is no backflow from toilet into the water pressure system.

Order no.	Description
81-47301-01	Solenoid valve 12V
81-47301-02	Solenoid valve 24V



New!

Spare Parts

Order no	Description
81-47239-01	Manual pump assembly
81-47241-01	Wooden Seat Compact
81-47241-02	Wooden Seat Comfort & Premium
81-47242-01	Gasket kit, all gaskets in the manual toilet
81-47243-01	Plastic base, base and tap with the ring for manual toilet
81-47244-01	Plastic handle kit, only the plastic handle for manual toilet
81-47245-01	Bowl Compact
81-47245-02	Bowl Comfort
81-47245-03	Bowl Low
81-47245-04	Bowl Low. Bev
81-47245-05	Bowl Std.
81-47245-06	Bowl Std. Bev

Order no	Description
81-47246-01	Intake elbow, inlet pipe gasket and nut for manual and silent electric versions
81-47246-02	Outlet elbow, outlet pipe gasket and plastic nut
81-47246-03	Intake elbow, inlet pipe gasket and plastic nut for Premium versions
81-47247-01	Base group (silent electric and premium versions)
81-47248-01	12V Motor group (silent electric and premium versions)
81-47248-02	24V Motor group (silent electric and premium versions)
81-47267-01	Hinge set
81-47268-01	Base gasket kit
81-47269-01	Flush handle kit
81-47273-01	Outlet elbow, Silent & Premium
81-47274-01	Bowl gasket



SELF-PRIMING FLEXIBLE IMPELLER PUMPS

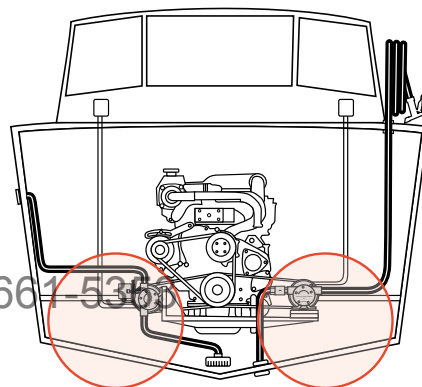
For high capacity bilge and deckwash pumps, nothing beats an electro-magnetic clutch pump from Johnson Pump. Also suitable as an emergency pump for e.g. fire fighting.

Automatically Controlled Pumps

With an electro-magnetic clutch you will have pumping power whenever needed, at a push of a button, without being at the pump. Combined with a vacuum switch from Johnson Pump (recommended for bilge pump application), the clutch will automatically disengage whenever the pump starts priming air, thereby preventing dry running and pump damage.

Automatically controlled pumps are available in sizes from 1" to 2.1/2" (20 L/min to 625 L/min), with clutches in 12 or 24 volts. Wearing parts are easily replaceable and service kits are available for all standard models. (See our Spare part list JP-1400/01.)

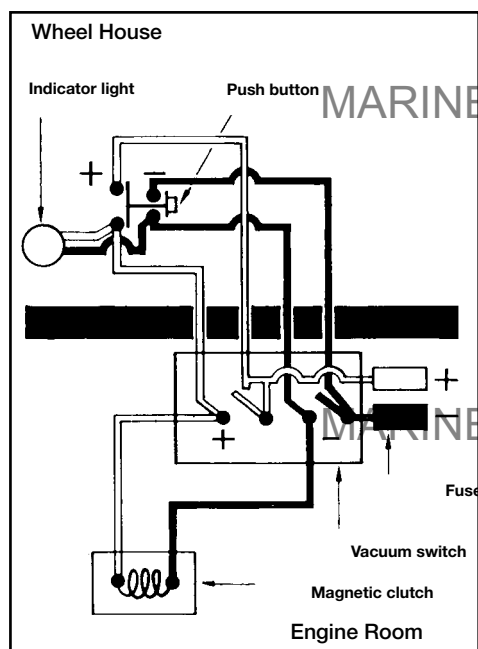
Vacuum Switch as extra accessory.



Bilge Pumping

Deckwash pumping

Wiring Diagram



Operating Principle



A vacuum is created as the flexible impeller vanes straighten upon leaving the cam, drawing liquid into the pump.



The rotating impeller carries liquid from the inlet to the outlet port. As a consequence of their design, flexible impeller pumps can pass fairly large solids.



When the flexible impeller vanes regain contact with the cam, they bend and the liquid is discharged from the pump in a uniform flow. Liquids can be pumped in the opposite direction by reversing the rotation of the pump.

Vacuum Switch

MARINE PARTS SUPPLY (800) 661-5353

for automatic shut off operation to prevent pump damage

The vacuum switch works with all self-priming impeller pumps and should be used for e.g. bilge pumping/emptying of tanks to prevent the pump from dry running. The vacuum switch automatically shuts the pump off when the bilge/tank is dry. With the switch fitted, you can start the pump by remote push button or manually by depressing lever on the switch.

Order No. 09-45053



MARINE PARTS SUPPLY (800) 661-5353

Clutch Pump

Technical Specifications

Pump body: Bronze
 Connection for vacuum switch
 Shaft: Stainless steel
 The shaft is mounted with permanently lubricated double ball bearings
 Seal: Mechanical seal
 Cam: Full or reduced
 Connection: BSP, NPTF available on request
 Clutch: Electro-magnetic 12/24 V DC
 Pulley: 2xA or 1xB-groove
 Pulley dia: \varnothing 178 mm / 7"

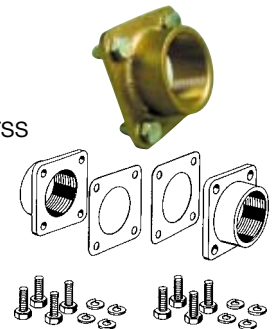
Performance see page 28,
 Bronze Impeller Pump Performance Tables

Choice of Clutch

Order No.
 05-32-1 Electro-magnetic clutch, 12 V 2xA pulley
 05-32-2 Electro-magnetic clutch, 24 V 2xA pulley
 05-32-3 Electro-magnetic clutch, 12 V 1xB pulley
 05-32-4 Electro-magnetic clutch, 24 V 1xB pulley

Port adaptor kit

1 1/2" NPT
 Order No. 09-45562
 2" BSP for F9B-3000-VF and F9B-3000-TSS
 Order No. 09-46557-01



Heavy Duty Electro-Magnetic Clutch Pump

Pump Model	Part No.	Impeller	Connection	Length	Width	Height	Weight (kg)
F7B-50017	10-24577-98	09-1028B	1" NPT	156 mm / 6.14"	120/4.72"	93 mm / 3.66"	5,8 kg / 12.7 lbs
F8B-50017	10-13022-98	09-819B	1 1/2" NPT	225 mm / 8.85"	160/6.29"	124 mm / 4.88"	9,9 kg / 22lbs
	10-13022-95	US version	1 1/4" ports*				
	10-13022-96	US version	1 1/2" ports**				

* replaces Jabsco series 11870
 ** replaces Jabsco series 50200



Extra Heavy Duty Electro-Magnetic Clutch Pump

Pump Model	Part No.	Impeller	Connection	Length	Width	Height	Weight
F7B-5007	10-24116-98	09-1028B	1" NPT	226 mm / 8.9"	120 mm / 4.72"	93 mm / 3.66"	6,9 kg / 15 lbs
F8B-5000 VF	10-13025-99	09-819B	1 1/2" NPT	265 mm / 10.43"	152 mm / 5.98"	154 mm / 6"	11,9 kg / 26 lbs
F8B-5000 TSS	10-13176-99	09-819B	1 1/2" NPT	265 mm / 10.43"	198 mm / 7.79"	151 mm / 5.94"	11,9 kg / 26 lbs
F9B-5607	10-13027-98	09-814B	2" NPT	290 mm / 11.42"	192 mm / 7.56"	157 mm / 6.18"	13,2 kg / 29 lbs
F9B-5600 VF	10-13226-99	09-814B 09-802B	2" NPT	290 mm / 11.4"	152 mm / 5.98"	175 mm / 6.88"	13,2 kg / 27 lbs
F9B-5600 TSS	10-13178-99	09-814B 09-802B	2" NPT	290 mm / 11.4"	200 mm / 7.87"	151 mm / 5.94"	13,2 kg / 27 lbs



Extra Heavy Duty, High Flow Electro-Magnetic Clutch Pump

Pump Model	Part No.	Impeller	Connection	Length	Width	Height	Weight
F95B-5000	10-13143-98	09-820B	2 1/2" NPT	358 mm / 14.09"	246/295 mm 9.68" / 11.61"	226/201 mm 8.89" / 7.91"	21 kg / 46 lbs

Flange with 2 1/2" BSP port adaptors (NPTF available on request)
 The port adaptors can be fitted either vertically or horizontally

SELF-PRIMING ALLROUND FLEXIBLE IMPELLER BRONZE PUMPS

Heavy Duty Impeller Pump

A range of multipurpose bronze pumps. Compact design, raw water resistant pumps at an attractive price – with the renowned Johnson Pump quality. These pumps are designed for a number of applications on board.

With excellent self-priming capability, these pumps are ideal as cooling water pumps for marine engines, bilge pumps, deckwash pumps, fresh water pumps, fuel transfer pumps and other applications. Also ideally suited on shore to empty septic tanks, to flush clean and to fill water tanks. Available in sizes from 3/8" to 1.1/2" (4 L/min to 279 L/min).

Vacuum switch as extra accessory for F8B-8 only.

Durable, Longer Life Flexible Impeller Pumps

What makes a Johnson Pump better?

- Mechanical seal
- Double ball bearing
- Bearing spacer (double bearing life)
- Stainless steel endcover, wearplate and shaft
- O-ring sealed endcover
- Durable longer life
- Universal base and shaft dimensions



Technical Specifications

Pump body: Bronze

Shaft: Stainless steel
The shaft is mounted with permanently lubricated double ball bearings

Seal: Mechanical seal

Cam: Full or reduced

Connection: NPTF available on request

Performance see page 28,

Bronze Impeller Pump Performance Tables



Heavy Duty Impeller Pump

Pump Model	Part No.	Impeller	Connection	Length	Width	Height	Weight	Drive Shaft Ø
F35B-8007	10-24569-51	09-808B-1	3/8" NPT	109 mm/4.29"	80 mm/3.14"	30 mm/1.18"	0,5 kg/1.2 lbs	3/8"
F4B-8007	10-24570-51	09-810B-1	3/8" NPT	111 mm/4.37"	80 mm/3.15"	50 mm/1.97"	0,8 kg/1.8 lbs	3/8"
		09-810B-9						
F5B-8007	10-24571-51	09-1027B-1	3/4" NPT	151 mm/5.95"	106 mm/4.17"	50 mm/1.97"	1,6 kg/3.5 lbs	5/8"
		09-1027B-9						
F7B-8007	10-24572-51	09-1028B	1" NPT	170 mm/6.69"	120 mm/4.72"	50 mm/1.97"	1,9 kg/4 lbs	5/8"
		09-1028B-9						
F8B-8007	10-13021-9	09-819B	1 1/2" NPT	217 mm/8.54"	160 mm/6.3"	65 mm/2.56"	5,9 kg/13 lbs	1"
		09-819B-9						
	10-13021-95*	US version 1 1/4" ports, 1" shaft keyed						
	10-13021-96	US version 1 1/2" ports, 1" shaft keyed						



*replaces Jabsco series 6400

Extra Heavy Duty Impeller Pump

Whenever you need greater strength or service from a pump, use a Johnson Pump extra heavy duty flexible impeller pump with separate bearing housing and mechanical seal for less wear and longer life.

These pumps cover the entire range of marine applications and may be used as cooling water pumps, bilge pumps, deckwash pumps, emergency and fire fighting pumps, etc. Available in sizes from 3/4" to 2.1/2" (13 L/min to 625 L/min). Wearing parts are easily replaceable and service kits are available for all standard models. (See our Spare part list JP-1400/01.)

Vacuum switch as extra accessory, see page 15.

MARINE PARTS SUPPLY (800) 661-5353

Technical Specifications

Pump body: Bronze. Connection for vacuum switch

Shaft: Stainless steel

Seal: Mechanical seal

Cam: Full or reduced

Pedestal: Cast iron with permanently lubricated double ball bearings

Connection: NPTF available on request



F5B-3000

F7B-3000

Performance see page 28,

MARINE PARTS SUPPLY (800) 661-5353

Bronze Impeller Pump Performance Tables

Extra Heavy Duty Impeller Pump

Pump Model	Part No.	Impeller	Connection	Lenght	Width	Height	Weight	Drive Shaft Ø
F5B-3007	10-24210-5	09-1027B-1 09-1027B-9	3/4" NPT	195 mm/7.68"	106 mm/4.17"	88 mm/3.46"	2,9 kg/6.5 lbs	17
F7B-3007	10-24209-7	09-1028B 09-1028B-9	1" NPT	213 mm/8.38"	120 mm/4.72"	93 mm/3.66"	3,1 kg/6.9 lbs	17
F8B-3000 VF	10-13024-1	09-819B 09-819B-9	1.1/2" NPT	255 mm/10.04"	152 mm/5.98"	154 mm/6.06"	7,6 kg/16.5 lbs	1"
F9B-3007	10-13026-7	09-802B 09-814B	2" NPT	282 mm/11.1"	192 mm/7.56"	157 mm/6.18"	9,3 kg/21 lbs	1"
F8B-3000 TSS	10-13175-01	09-819B 09-819B-9	1.1/2" NPT	255 mm/10.04"	198 mm/7.79"	151 mm/5.94"	7,6 kg/16.5 lbs	1"
F9B-3000 VF	10-13225-01	09-802B 09-814B	2" NPT	282 mm/11.1"	152 mm/5.98"	175 mm/6.89"	9,3 kg/21 lbs	1"
F9B-3000 TSS	10-13177-01	09-802B 09-814B	2" NPT	282 mm/11.1"	200 mm/7.87"	151 mm/5.94"	9,3 kg/21 lbs	1"

MARINE PARTS SUPPLY (800) 661-5353

Extra Heavy Duty, High Flow, Impeller Pump

F95B-3007	10-13121-04	09-820B	2.1/2" NPT	354 mm/13.93"	246/295 mm 9.68"/11.61"	226/201 mm 8.89"/7.91"	17,2 kg/38 lbs	24
-----------	-------------	---------	------------	---------------	----------------------------	---------------------------	----------------	----



F95B-3000

F8B-3000/F9B-3000

F9B-3000

F8B-3000/F9B-3000

MARINE PARTS SUPPLY (800) 661-5353

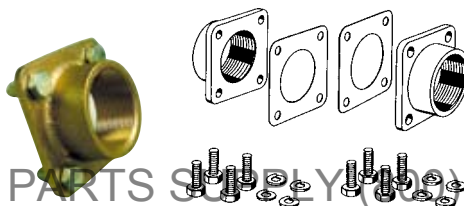
Port adaptor kit

1.1/2" NPT

Order No. 09-45562

2" BSP for F9B-3000-VF and F9B-3000-TSS

Order No. 09-46557-01



MARINE PARTS SUPPLY (800) 661-5353

Note!

Bronze Impeller Pump Performance Tables

Reduced cam - 30-40% lower capacity
Impeller of nitrile - adjust total head approx. 30% down

F35B			700 rpm			900 rpm			1400 rpm			1750 rpm			2000 rpm			2500 rpm		
Bar	kPa	ft	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM
0.3	30	10.1	0.06	5.2	1.4	0.09	6.8	1.8	0.13	11.2	3.0	0.16	14.0	3.7	0.18	16.0	4.2	0.18	20.5	5.4
0.6	60	20.1	0.09	4.6	1.2	0.09	6.2	1.6	0.13	10.6	2.8	0.16	13.7	3.6	0.18	15.8	4.1	0.18	19.6	5.2
1.0	100	33.5	0.09	4.0	1.1	0.09	5.6	1.5	0.18	9.2	2.4	0.18	11.8	3.1	0.18	13.6	3.6	0.18	17.0	4.5

F4B			700 rpm			900 rpm			1400 rpm			1750 rpm			2000 rpm			2500 rpm		
Bar	kPa	ft	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM
0.3	30	10.1	0.06	12.0	3.2	0.09	15.0	4.0	0.18	23.0	6.0	0.17	27.0	7.1	0.18	30.5	8.1	0.18	34.5	9.1
0.6	60	20.1	0.09	11.0	2.9	0.09	14.0	3.7	0.13	21.0	5.4	0.17	25.0	6.6	0.18	28.0	7.4	0.18	33.0	8.7
1.0	100	33.5	0.09	9.0	2.4	0.09	11.0	2.9	0.18	18.0	4.8	0.18	22.0	5.8	0.18	25.0	6.6	0.18	29.5	7.8
1.5	150	50.3	0.09	4.5	1.2	0.09	7.0	1.8	0.18	13.5	3.6	0.18	17.0	4.5	0.18	20.0	5.3	0.24	25.0	6.6

F5B			700 rpm			900 rpm			1400 rpm			1750 rpm			2000 rpm		
Bar	kPa	ft	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM
0.3	30	10.1	0.13	16.0	4.2	0.18	21.0	5.5	0.37	33.0	8.7	0.37	41.0	10.8	0.37	46.0	12.2
0.6	60	20.1	0.13	15.0	4.0	0.18	20.0	5.3	0.37	32.0	8.5	0.37	39.5	10.4	0.37	45.0	11.9
1.0	100	33.5	0.13	14.0	3.7	0.18	19.0	5.0	0.37	30.0	7.9	0.37	37.0	9.8	0.37	42.0	11.1
1.5	150	50.3	0.13	13.0	3.4	0.18	17.0	4.5	0.37	27.0	7.1	0.37	33.5	8.9	0.37	38.0	10.0
2.0	200	67.1	-	-	-	-	-	-	0.37	22.0	5.8	0.37	28.5	7.5	0.37	33.0	8.07

F7B			700 rpm			900 rpm			1400 rpm			1750 rpm			2000 rpm		
Bar	kPa	ft	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM
0.3	30	10.1	0.37	36.0	9.5	0.37	46.0	12.2	0.75	74.0	19.6	0.75	98.0	25.9	0.75	107.0	28.3
0.6	60	20.1	0.37	34.0	9.0	0.37	44.0	11.6	0.75	72.0	19.0	0.75	96.0	25.4	0.75	104.0	27.5
1.0	100	33.5	0.37	29.0	7.7	0.37	40.0	10.6	0.75	67.0	17.7	0.75	87.0	23.0	0.75	98.0	25.9
1.8	180	60.4	0.37	21.0	5.5	0.37	30.0	7.9	0.75	57.0	15.1	0.75	73.0	19.3	0.75	84.0	22.2
2.5	250	83.8	-	-	-	-	-	-	0.75	37.0	9.8	1.1	52.0	13.7	1.1	63.0	16.6

F8B			700 rpm			900 rpm			1400 rpm			1750 rpm			2000 rpm		
Bar	kPa	ft	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM
0.3	30	10.1	0.37	87.0	9.5	0.75	114.0	30.1	1.1	188.0	50.0	1.5	241.0	63.7	1.5	279.0	73.7
0.6	60	20.1	0.37	80.0	9.0	0.75	107.0	28.3	1.1	180.0	47.6	1.5	233.0	61.6	1.5	270.0	71.3
1.0	100	33.5	0.37	73.0	7.7	0.75	101.0	26.7	1.1	177.0	46.8	1.5	228.0	60.2	1.5	264.0	69.7
1.8	180	60.4	-	-	-	1.1	70.0	18.5	1.1	148.0	39.1	2.2	203.0	53.6	2.2	242.0	63.4
2.5	250	83.8	-	-	-	-	-	-	1.1	108.0	28.5	2.2	166.0	43.9	2.2	208.0	55.0

F9B-5000			700 rpm			900 rpm			1400 rpm			1750 rpm			2000 rpm		
Bar	kPa	ft	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM
0.3	30	10.1	0.75	129.0	34.1	0.75	170.0	44.9	1.5	268.0	70.8	1.5	331.0	87.5	2.2	388.8	102.7
0.6	60	20.1	0.75	124.0	32.8	0.75	161.0	42.5	1.5	260.0	68.9	2.2	323.0	85.3	2.2	383.1	101.2
1.0	100	33.5	0.75	118.8	31.4	1.1	156.0	41.2	1.5	255.6	67.5	2.2	315.2	83.3	3.0	379.2	100.2
1.8	180	60.4	1.1	105.0	27.7	1.1	140.0	37.0	1.5	235.0	62.1	2.2	286.1	75.6	3.0	351.3	92.8
2.5	250	83.8	1.1	83.7	22.1	1.5	102.0	26.9	2.2	208.0	55.2	3.0	266.0	70.3	3.0	304.1	80.3

F9B-5600			700 rpm			900 rpm			1400 rpm			1750 rpm			2000 rpm		
Bar	kPa	ft	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM
0.3	30	10.1	0.75	129.0	34.1	1.1	170.0	44.9	1.5	270.0	71.3	1.5	331.0	87.5	2.2	376.0	99.3
0.6	60	20.1	0.75	126.0	32.8	1.1	165.0	43.6	1.5	266.0	70.3	2.2	323.0	85.3	2.2	368.0	97.2
1.0	100	33.5	0.75	123.0	32.5	1.1	161.1	42.6	2.2	260.0	68.7	2.2	314.0	83.3	3.0	361.0	95.4
1.8	180	60.4	0.75	110.0	29.1	1.5	153.0	40.4	2.2	242.0	63.9	2.2	291.0	76.9	3.0	340.0	89.8
2.5	250	83.8	1.1	90.0	23.8	1.5	130.0	34.3	2.2	218.0	57.6	3.0	269.0	71.1	3.0	312.0	82.4
3.0	300	100.6	1.5	81.0	16.1	2.2	102.0	26.9	3.0	190.0	50.2	3.0	242.0	63.9	3.5	284.0	75.0
3.5	350	117.4	-	-	-	-	-	-	3.0	160.0	42.3	3.5	205.0	54.2	3.5	235.0	62.1

F95B			700 rpm			900 rpm			1400 rpm			1750 rpm			2500 rpm		
Bar	kPa	ft	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM	kW	l/min	USGPM
0.5	50	16.8	0.75	182.6	48.2	1.1	236.5	62.5	1.5	384.2	101.5	2.2	483.6	127.8	4.0	626.7	165.5
1.0	100	33.5	1.1	172.7	45.6	1.1	231.3	61.1	1.5	372.0	98.3	3.0	472.9	124.9	5.5	617.9	163.2
1.5	150	50.3	1.1	160.1	42.3	1.5	214.5	56.7	2.2	350.4	92.6	3.0	444.1	117.3	5.5	583.8	154.2
2.0	200	67.1	1.1	132.3	35.0	1.5	181.0	47.8	3.0	315.4	83.3	3.5	406.2	107.3	5.5	553.1	146.1
2.5	250	83.8	1.5	79.5	21.0	2.2	137.8	36.4	3.0	267.6	70.7	4.0	361.3	95.5	7.5	506.4	133.8

ENGINE COOLING

Raw Water Handling

Flexible impeller pumps of Johnson Pump F-series provide an efficient solution to most raw water pumping needs. The primary advantage of a flexible impeller pump is that it is self-priming. As the vanes of the impeller are depressed and rebound, they create their own vacuum drawing fluid into the pump. A dry pump can lift water up to as much as 3 metres. Thus a flexible impeller pump being used for engine cooling needs not be located below the water line or manually primed. An added feature of flexible impeller pumps is that they can pass fairly large solids without clogging or damaging the pump. This reduces the need for filtering the incoming fluid.

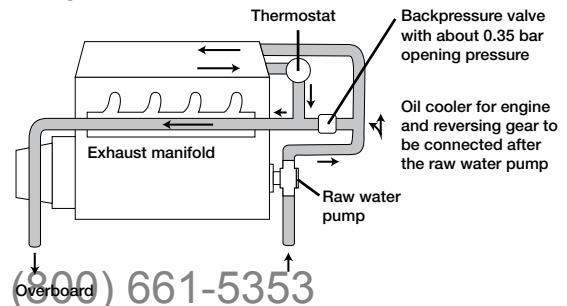
For general raw or fresh water applications, the standard long-lasting neoprene rubber impeller is used.

A general feature of all flexible impeller pumps is that they cannot be permitted to run dry for more than 30 seconds. Both the impeller and the seals depend upon the water for lubrication and will soon burn out if run dry. Wearing parts are easily replaceable, and service kits are available for all standard models.

(See our Spare part list JP-1400/01)

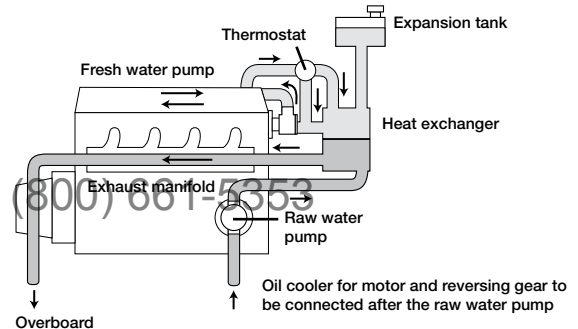
Different types of cooling systems

Direct cooling

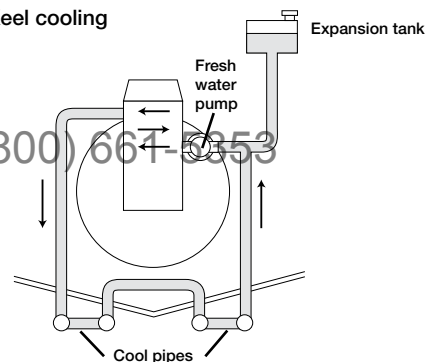


Indirect cooling

Inter cooling

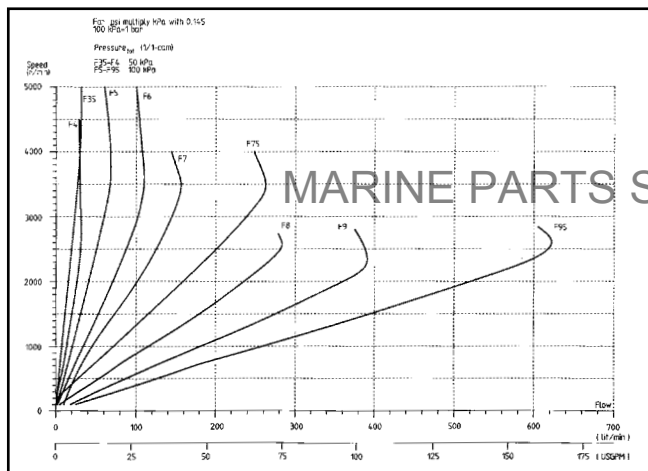


Keel cooling



Capacity Range

(based on water at 20°C/68°F)



Fresh Water Handling

For circulation of the internal, closed, fresh water circuit of the cooling system Johnson Pump can offer a number of alternatives in its DC driven CM- and C0-series (see page 19 for further information). It is also common to use a flexible impeller pump for this purpose if it is located on the cold side of the system (max. 55°C).

Other types of belt-driven centrifugal pumps may also be useful.

The closed circuit normally transfers heat from the engine to the heat exchanger. The liquid is water and anti-freeze.

Cooling Capacity

The required output of the cooling pump – raw water as well as fresh water handling – is related to

- engine size and type (gasoline or diesel)
- type of cooling system (size of heat exchanger)
- water cooled engine oil, reverse gear, exhaust system

Contact your local dealer for more information, or for indirect cooling systems your supplier of heat exchangers.

Pump Mounting

Johnson Pump engine cooling pumps, the F-series (flexible impeller pumps) are available in several different styles and sizes to satisfy different cooling system needs. Flanged pumps which mount directly to the engine and crank shaft pulley mounted pumps are available for a wide variety of engines. Johnson Pump is the original equipment pump supplier to the largest manufacturers world-wide of inboard engines. Both flange mounted and pulley driven pedestal pumps can be used to provide cooling with a maximum of ease and flexibility. Pump ports are available in sizes from 3/8" to 2.1/2".

Flange Mounted Pumps

Flanged pumps are normal pumps produced in high volumes, customer designed for flange-mounting at a power take off of the engine. Different types of drives can be used but mainly gears or any type of driving members are used.

Crank Shaft Pulley Mounted

These pumps are designed for direct installation on the engine crank shaft pulley. Max. revs. 5,000 per minute. For some engines an adaptor kit for the engine crank shaft pulley is available.

To prevent the pump from rotating, a torque bracket from the fastening point on the pump body to a suitable point on the engine has to be used.

Pedestal Mounted Pumps

Pulley driven pedestal mounted pumps are used when a free driving pulley is available on the engine.

Two different types of pedestal mounted pumps are supplied by Johnson Pump.

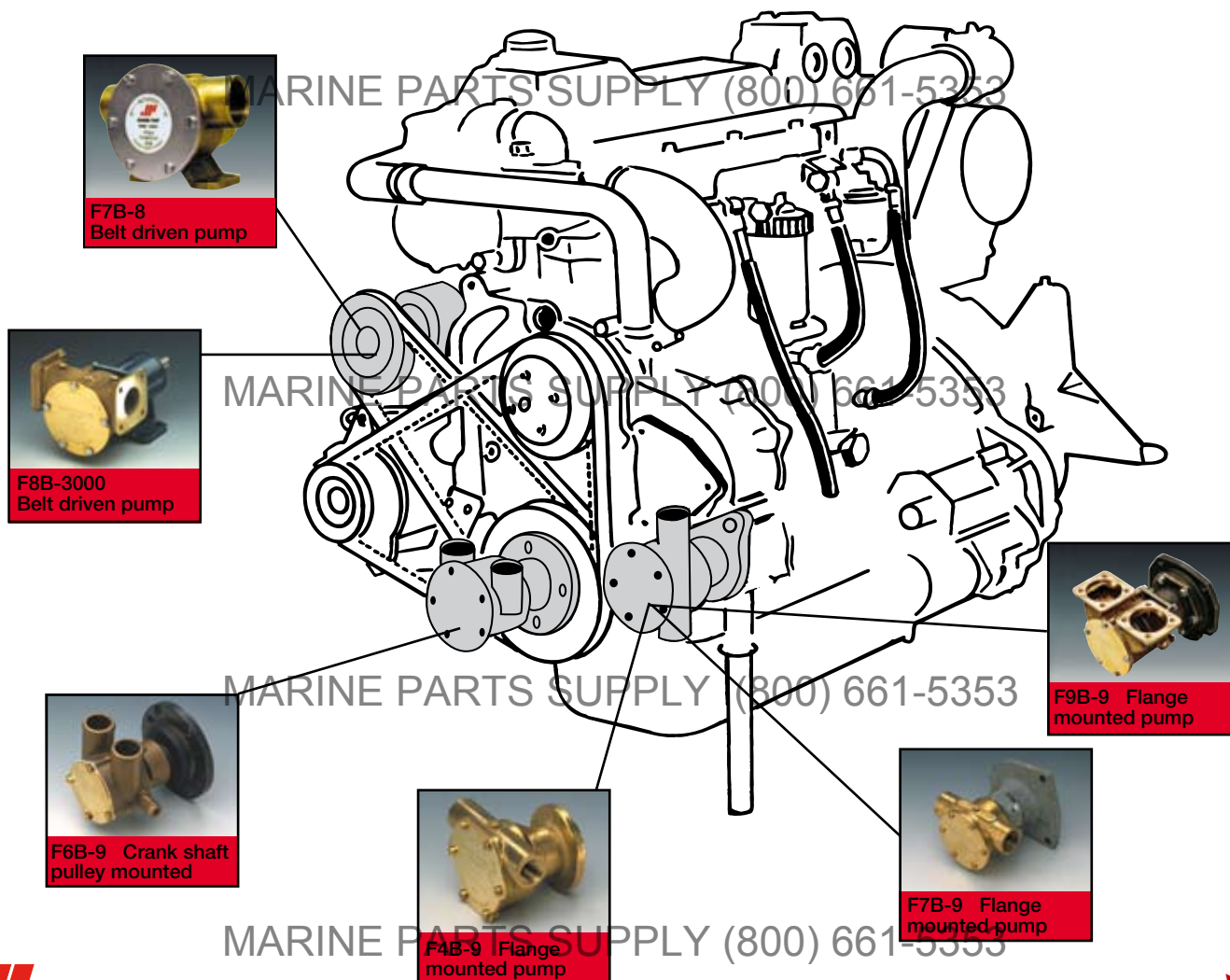
- **FB-8**

A range of bronze pumps in compact design. Ideal as cooling water pumps in marine engines. Available in sizes from 3/8" to 1.1/2", all with permanently lubricated double ball bearings and mechanical seal. (See page 24-25 for further information.)

- **FB-3000**

A range of extra heavy duty pedestal mounted pumps excellent for cooling purpose in commercial vessels. The design means separate bearing housings with permanently lubricated double ball bearings, mechanical shaft seal for extended service life. Wetted parts as wear plate, cam and endcover are easily replaceable.

(See page 26-27 for further information.)



IMPELLER IDENTIFICATION GUIDE

Take good care of the cooling system change to a new impeller every year

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



The impeller compound MC97

MC97 has been developed to meet new environmental regulations for rubber manufacturing processes and will replace our regular Neoprene compound. The development of MC97 has also resulted in an extended service life of the impeller compared to impellers in Neoprene.

MC97 requires new guidelines for handling impeller replacement as well as guidelines for standard and engine cooling flexible impeller pumps for OEM-engine manufactures. Please note that these guidelines are also valid for our regular Neoprene compound. The MC97 impellers, impeller kits and service kits containing MC97 impellers will be supplied with a JP impeller lubricant.

Johnson Pump Impeller Bar

We can now offer a new impeller stand that can rotate and have room for 10 of our most popular spare impellers up to size F7.

Display size: Height 750mm/29.5" incl. tosign
Width 500 mm/19.7"

Included are:

- Impellerguide with 1/1 size illustration of all our impellers
- 5 pcs 09-806B-1
- 5 pcs 09-808B-1
- 5 pcs 09-810B-1
- 5 pcs 09-1026B-1
- 5 pcs 09-801B
- 5 pcs 09-1027B-1
- 5 pcs 09-1028B
- 5 pcs 09-1052S-9
- 5 pcs 09-1077B-9
- 5 pcs 09-824P-9



Order No: 09-46854

Complete stand including above impellers

This is how to remove the old impeller

Remove the impeller with a slip joint plier or a Johnson Pump Impuller.



Order No.

09-950-9300

JP Impuller

This is how to fit the new one

Lubricate the shaft and the inside of the pump body and the end cover. Use Johnson Pump lubrication to help develop prime and prevent damage from dry-running the pump at initial start-up. Mount the impeller by making a pushing and twisting movement in the rotating direction. Lubricated impellers should not be stored for extended periods of time. Engine should be run after installation of a new impeller to wash out the lubrication. These recommendations apply to any service work on the pump and its components that require the use of lubrication inside the pump for assembly and start-up.

Warning! Only use Johnson Pump Lubrication. Other products can damage the impeller, which will damage the pump and lead to engine failure. Do not run the impeller without water or lubricant, this can cause engine failure or a fire.

Give your impeller a good life!

Lubricate with Johnson Pump Impeller Lubricant, optimize the priming ability at first start or after seasonal storage. Now available in Counter display box with 150 pcs Impeller lubricant packages.



Order No. 09-47086

Impeller Lubricant box

Vacuum valve - Siphon breaker

A vacuum valve is a cheap insurance against water intrusion in a motor with expensive repairs as a consequence.

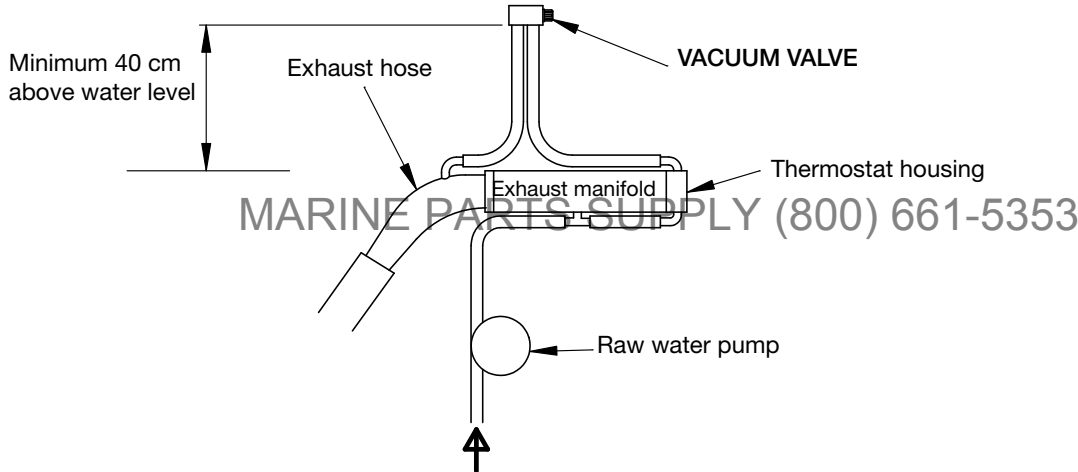
- Non corrosive
- Easy to install
- Does not leak
- High quality plastic
- 5 spud sizes



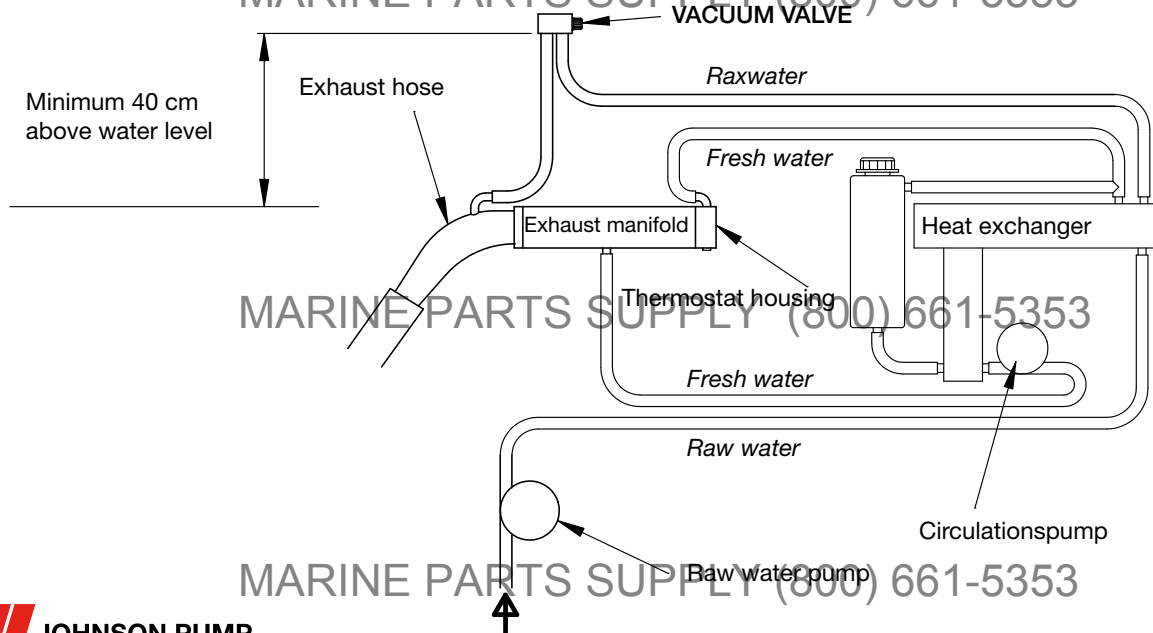
Order No	Description	Order No	Description
09-47316-01	12 mm	09-47316-04	22 mm
09-47316-02	16 mm	09-47316-05	25 mm
09-47316-03	19 mm	09-47316-06	Service Kit Vacuum Valve

The maximum ambient temperature should not exceed 60 °C. The valve opens at a pressure which is equivalent to 3-5 cm Water Column. The materials which are used are resistant to sea water and fresh water, and to glycol compounds in appropriate concentrations. Avoid exposing the valve to oil and grease. If it has been in contact with such substances, please clean or replace it.

Raw Water Cooled Engine



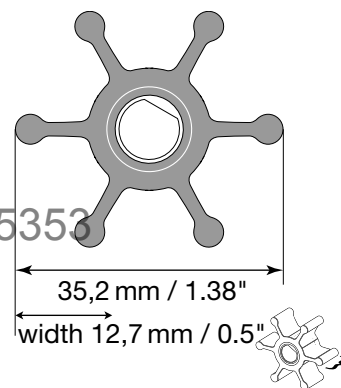
Fresh Water Cooled Engine



The impellers are illustrated in full scale which means that you can identify your impeller without knowing the part number.

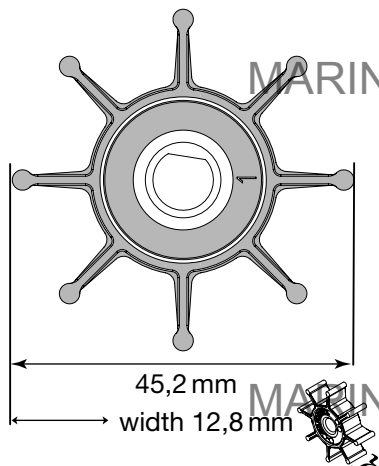
F2

Impeller article number 09-1077B-9
Nitrile (oil resistant)



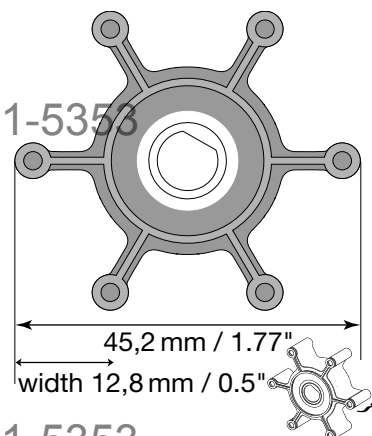
F3

Impeller article number 09-843S-9
Nitrile (oil resistant)



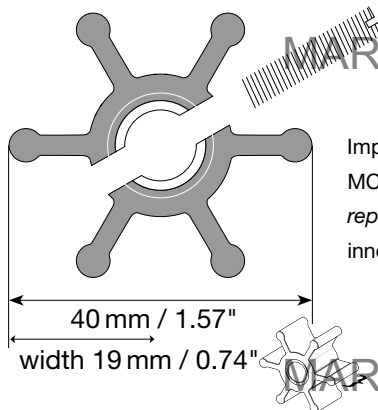
F3

Impeller article number 09-1052S-9
Nitrile (oil resistant)



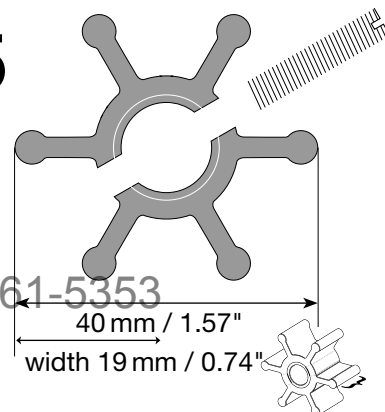
F35

Impeller article number 09-806B-1
MC97 (for cooling)
replaces Jabsco 4528-0001 Europe & USA
inner diameter 9,5 mm



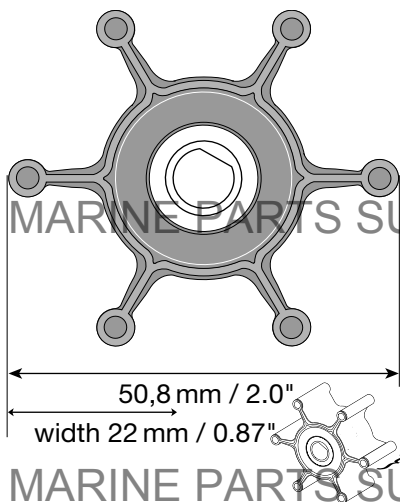
F35

Impeller article number 09-808B-1
MC97 (for cooling)
replaces Jabsco 22405-0001 Europe & USA
inner diameter 12 mm



F4

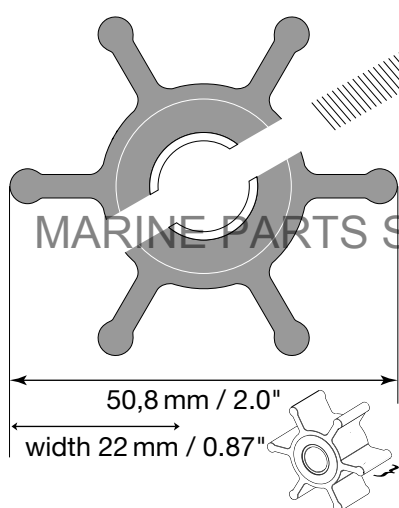
Impeller article number 09-824P-9
Nitrile (oil resistant)
replaces Jabsco 6303-0003 Europe & USA



Impeller article number 09-824P-1
MC97 (Ultra Ballast)

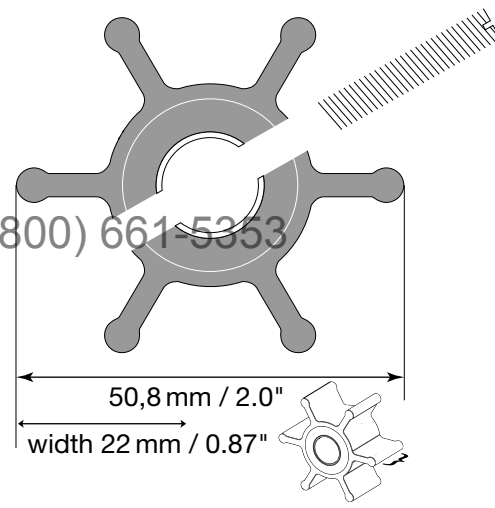
MARINE PARTS SUPPLY (800) 661-5353

F4



Impeller article number **09-810B-1**
 MC97 (for cooling)
replaces Jabsco 18653-0001 Europe & USA

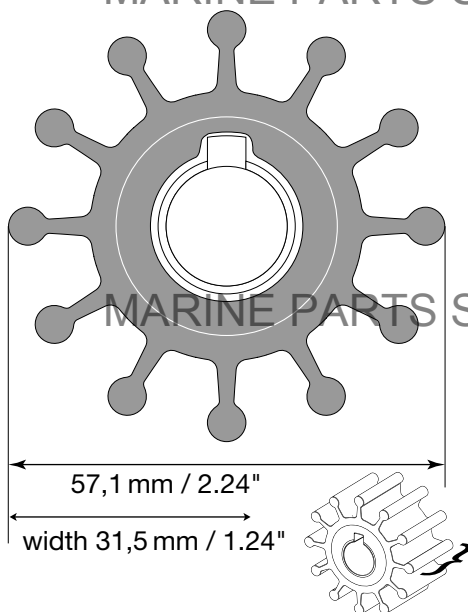
Impeller article number **09-810B-9**
 Nitrile (oil resistant)
 inner diameter 12 mm



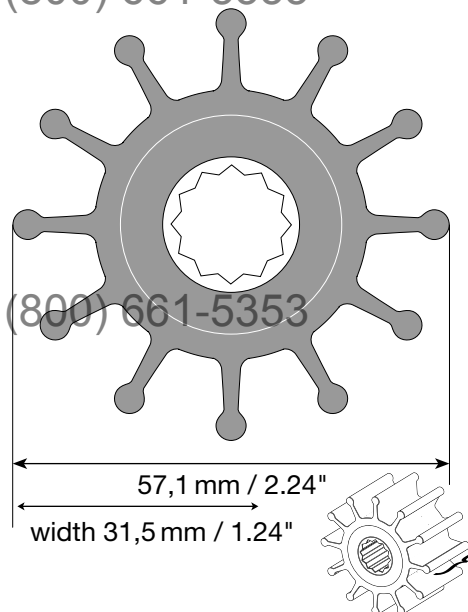
Impeller article number **09-1026B-1**
 MC97 (for cooling)
replaces Jabsco 673-0001 Europe & USA

Impeller article number **09-1026B-9**
 Nitrile (oil resistant)
replaces Jabsco 673-0003 Europe & USA
 inner diameter 12,7 mm

F5



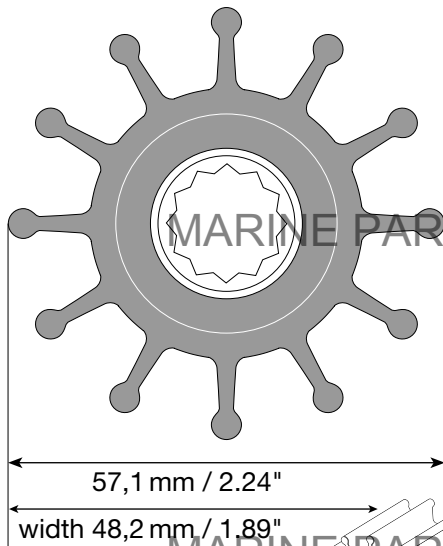
Impeller article number **09-801B**
 Neoprene (for cooling)
replaces Jabsco 4568-0001 Europe & USA
 inner diameter 15,9 mm/key



Impeller article number **09-1027B-1**
 MC97 (for cooling)
replaces Jabsco 1210-0001 Europe & USA

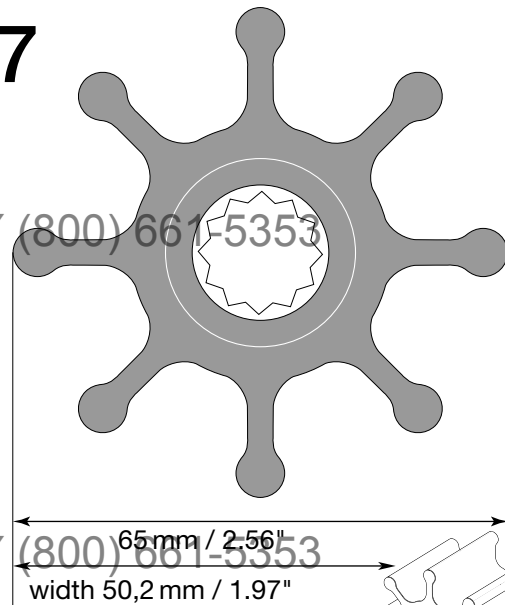
Impeller article number **09-1027B-9**
 Nitrile (oil resistant)
replaces Jabsco 1210-0003 Europe & USA

F6



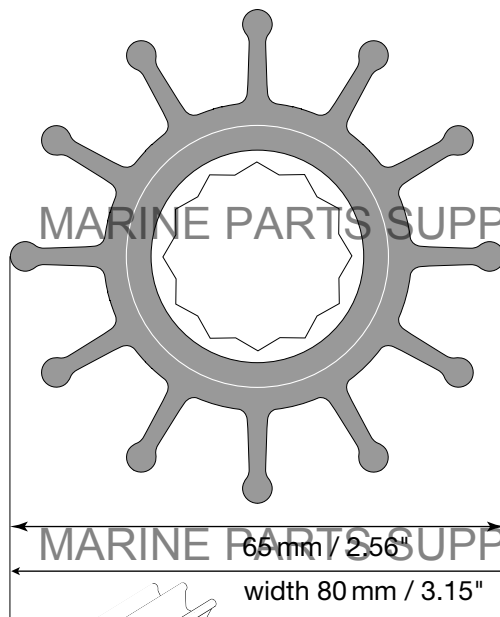
Impeller article number 09-812B-1
MC97 (for cooling)
replaces Jabsco 13554-0001 USA

F7



Impeller article number 09-1028B
Neoprene (for cooling)
replaces Jabsco 17937-0001 Europe & USA
Impeller article number 09-1028B-9
Nitrile (oil resistant)
replaces Jabsco 17937-0003 Europe & USA

F75

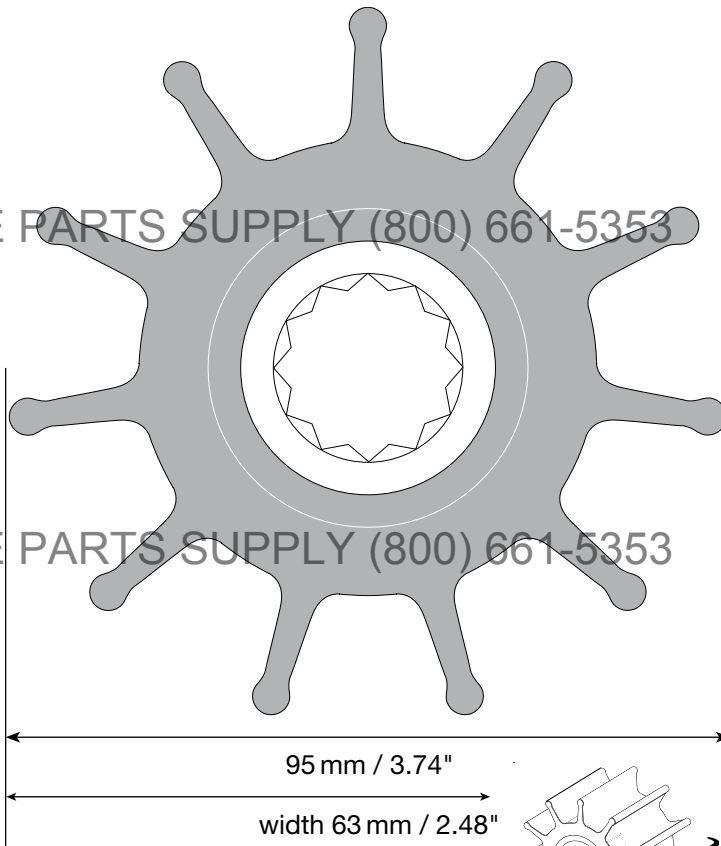


Impeller article number 09-821B
Neoprene (for cooling)

MARINE PARTS SUPPLY (800) 661-5353

F8

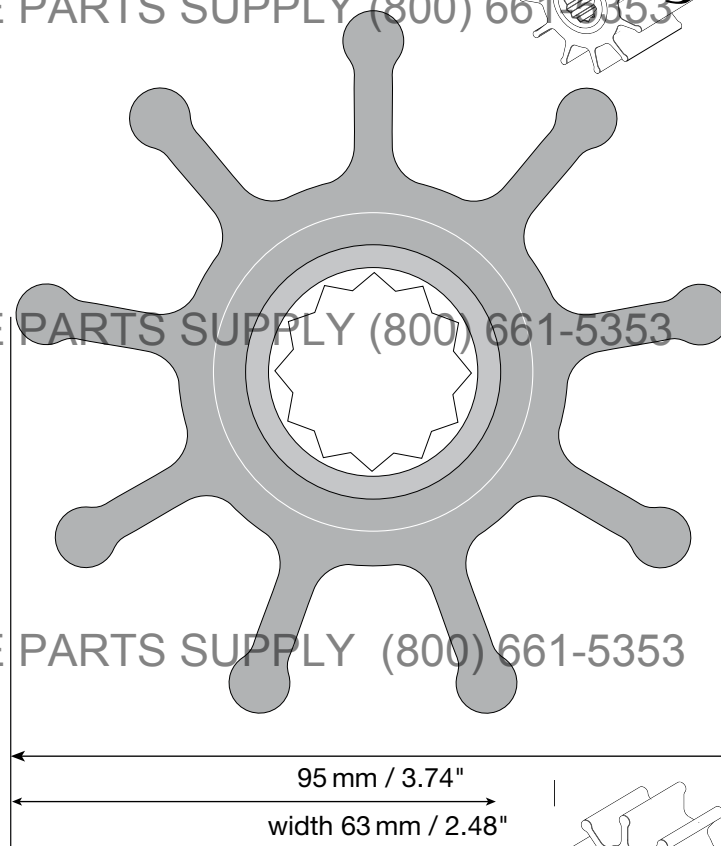
Impeller article number 09-819B
Neoprene (for cooling)
replaces Jabsco 836-0001 Europe &
17935-0001 USA
Impeller article number 09-819B-9
Nitrile (oil resistant)
replaces Jabsco 836-0003 Europe &
17935-0003 USA



MARINE PARTS SUPPLY (800) 661-5353

F8

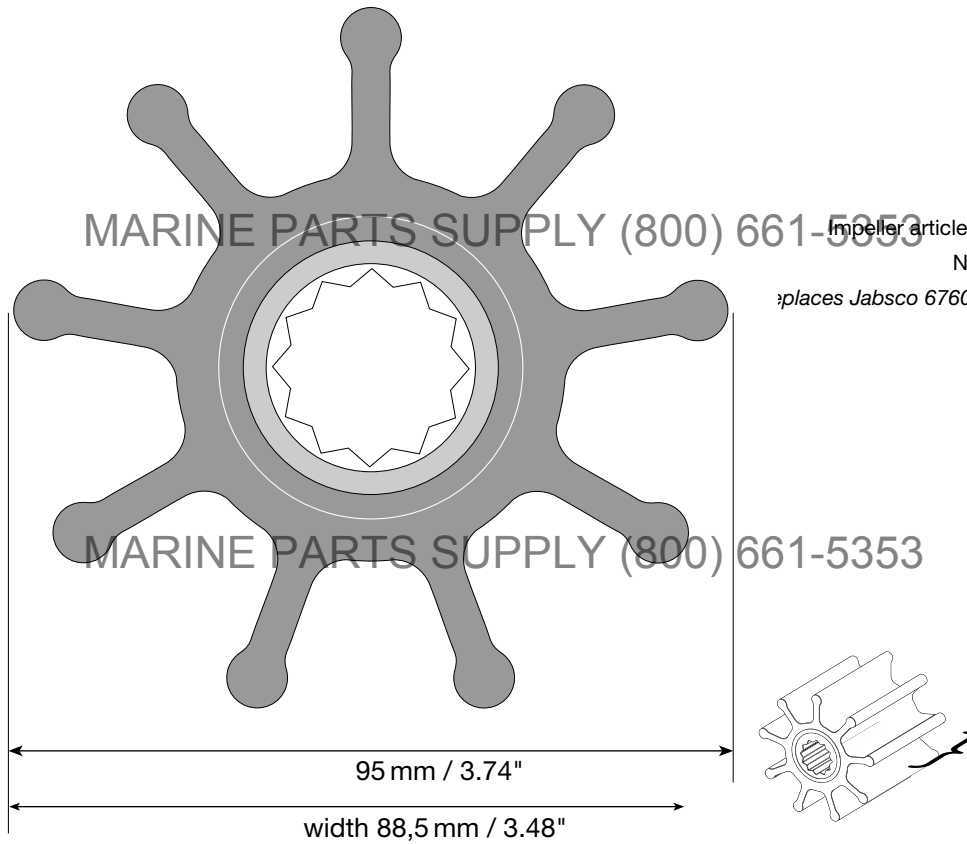
Impeller article number 09-1029B
Neoprene (for cooling)
replaces Jabsco 836-0001 Europe &
17935-001 USA



MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

F9



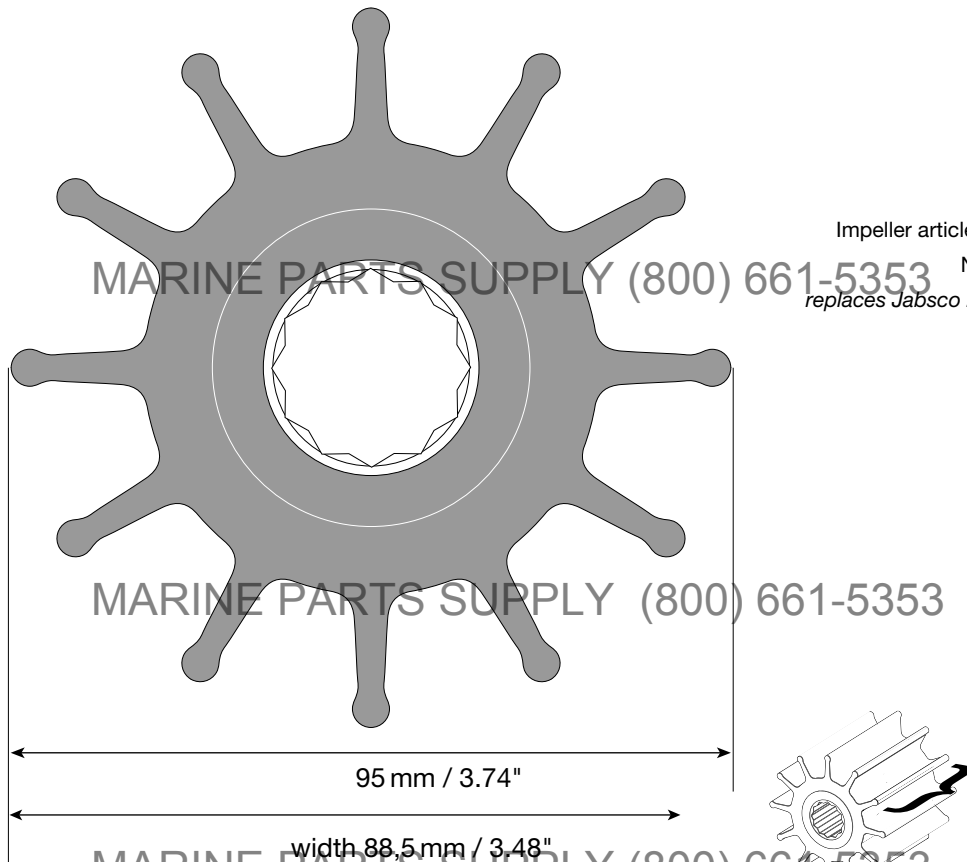
MARINE PARTS SUPPLY (800) 661-5353

Impeller article number 09-802B
Neoprene (for cooling)
replaces Jabsco 6760-0001 Europe & USA

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

F9



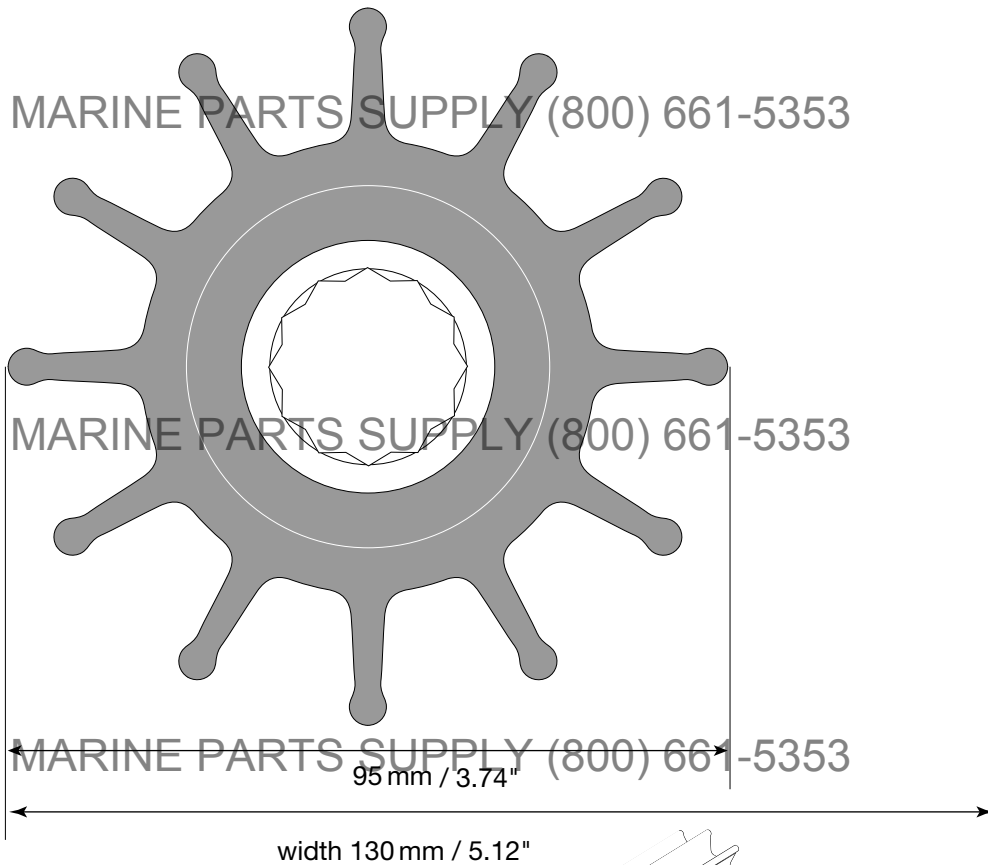
MARINE PARTS SUPPLY (800) 661-5353

Impeller article number 09-814B
Neoprene (for cooling)
replaces Jabsco 21676-0001 Europe &
17936-0001 USA

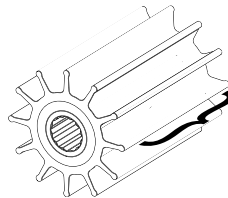
MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

F95



Impeller article number 09-820B
Neoprene (for cooling)



MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

Notes

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353

MARINE PARTS SUPPLY (800) 661-5353



MARINE PARTS SUPPLY (800) 661-5353

Johnson Pump Marine Nastagatan 19, P.O. Box 1436, SE-701 14 Orebro, Sweden, Phone 46 19 21 83 00, Fax 46 19 27 23 72
Johnson Pumps of America, Inc. 1625 Hunter Road, Suite B, Hanover Park, Illinois, 60133, USA, Phone 847-671-7867, Fax 847-671-7909
Johnson Pump (Australia) Pty. Ltd. P.O. Box 427, Cannon Hill, QLD. 4170, Australia, Phone 617 3899 9933, Fax 61 7 3899 8574
www.johnson-pump.com/jpmarine

