

Introduction



Lite Flush Electric Toilets



At Jabsco we are the world's largest manufacturers and suppliers of small craft marine toilets - so we've built a fair degree of experience in heads systems and their design and installation.

Far and away the most widely used marine toilets are manually operated. Our 29090/29120 series have been the most popular type worldwide over the last ten years. We have now improved them even further with stronger materials, new styling and new features that make them even easier to service and maintain. With modern design and materials manual toilets are easy to install and service, simple and clean to use and offer exceptional value for money. Remember there are two bowl sizes to choose from, and normally even the smallest boats have enough space for the comfort of a full sized bowl (29120 series) for just a little extra cost.

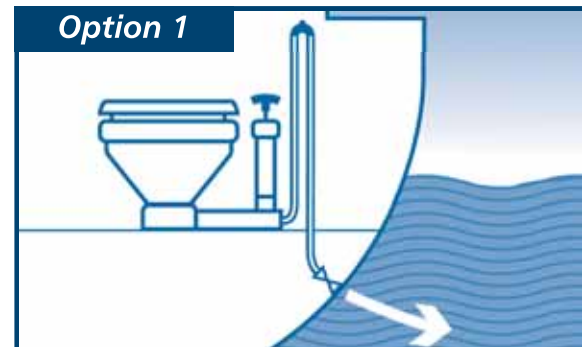
Our luxury range of Lite Flush, Quiet Flush and Deluxe Flush electric toilets feature low noise levels, so sleeping guests will not be disturbed when the toilet is used! There are options of either flushing with fresh water from the boats own supply or with salt, river or lake water from outside the boat. Lite Flush toilets have an integral rinse and waste pump system encased in a stylish housing. DF and DS Series toilets have domestic style bowls with all pump components hidden from view. Quiet Flush Toilets have the pump at the rear of a narrow base and so can be installed in more narrow spaces. Three way controls allow water level to be increased or decreased.

Quiet Flush Conversion kits allow owners of 37010 and many other types of electric or manual toilets to upgrade to full Quiet Flush specification. All our electric toilets use surprisingly little power, and are simple to operate for newcomer and experienced crews alike.

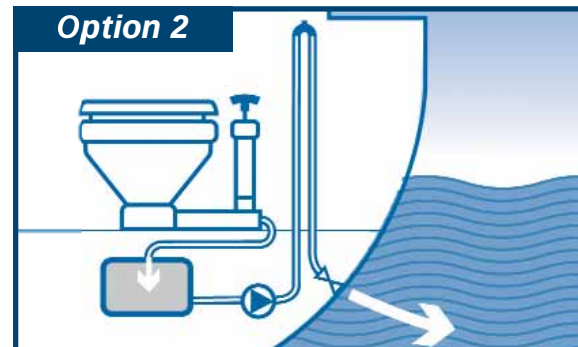
Manual toilets can be upgraded to electric by the Lite Flush Electric Toilet. The NEW Lite Flush has been designed to instantly retrofit your existing manual toilet with the same footprint, fixing points and hose attachments as the Jabsco manual toilet.

All our toilets can be used on inland waterways, rivers, lakes or the sea, and can be installed above or below the waterline. However, attention must be paid to installation instructions for safety and installations must meet with local regulations concerning overboard discharge. All our toilets are designed to discharge overboard or into holding tanks as necessary.

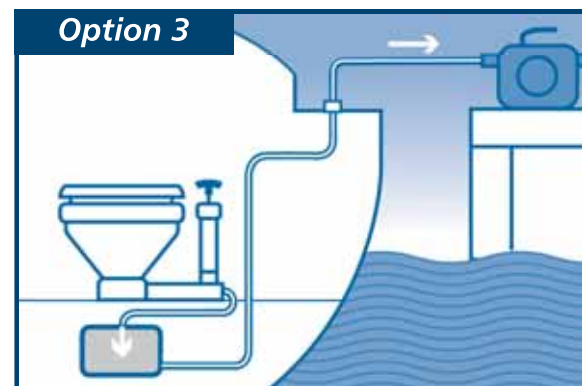
We at Jabsco all understand the importance of keeping the environment clean and free from waste. However it is unfortunate that there is no internationally accepted legislation to guide us on how to deal with the waste from our toilet systems. For this reason Jabsco have produced this guide which details the four most common ways of dealing with toilet waste. It is important to note that your choice of system may be governed by your own national and local rules and regulations.



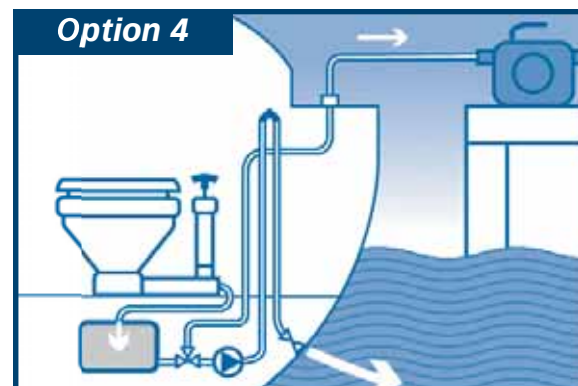
Discharge waste through a Y-valve directly into a non-restricted area or to a holding tank when within the three mile limit using the toilet's own pump and an anti-syphon loop.



Collect waste in an on-board holding tank so that it can be discharged later when you are in un-restricted waters using an electric or manual pump.



Collect waste in an on-board holding tank for discharge later to a Shore Station using a dockside suction pump or portable utility pump.



A combination of Option 2 and 3 to give you the flexibility of discharging waste wherever most convenient and without risk to the environment.



Lite Flush Electric Toilet

A NEW Electric Toilet designed to instantly retro-fit your existing manual toilet or, to give your bathroom a modern, stylish look.

The Lite Flush is Jabsco's new stylish low power consuming electric toilet, designed specifically to replace an existing Jabsco manual toilet. The installation is quick and straight forward due to the same footprint, fixing points and hose attachments as the Jabsco manual toilet.

The compact and lightweight design with its ceramic bowl and plastic outer casing makes it very easy to clean. It is fitted with a new quiet and efficient flush pump which has large clearances to help prevent blockages.

Lite Flush toilets are available with either a foot switch (left or right fitting) or the wall mounted control panel currently used on the Deluxe Flush Range.

- Lightweight and compact.
- Stylish and contemporary design.
- Slow close seat and lid.
- Integral rinse and waste pump system.
- Low water usage – 1.2 litres (1.3 US Quarts) per flush.
- Low power consumption.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).

For service and spare parts listing see **page 211**.



Lite Flush with Foot Switch

58500-00XX Series are supplied with a simple to use, one press foot switch. Simply press once to fill the bowl, bowl can be left wet or dry, and press again to flush.

Fitting: Connections for 3/4" (19mm) ID inlet hose and 1 1/2" (38mm) outlet hose.

Size: 14 3/4" (37cm) high x 15 3/4" (40cm) wide x 15 3/4" (40cm) deep.

Weight: : 24lb (11kg).

58500-0012 Foot switch, 12 volt DC, fuse 25 amp.

58500-0024 Foot switch, 24 volt DC, fuse 15 amp.



Lite Flush with Control Panel

58500-10XX Series are supplied with a new multi-function "one touch" wall mounted control panel, which also adapts to standard Gewiss and Vimar fascia panels.

Fitting: Connections for 3/4" (19mm) ID inlet hose and 1 1/2" (38mm) outlet hose.

Size: 14 3/4" (37cm) high x 15 3/4" (40cm) wide x 15 3/4" (40cm) deep.

Weight: : 24lb (11kg).

58500-1012 Control panel, 12 volt DC, fuse 25 amp.

58500-1024 Control panel, 24 volt DC, fuse 15 amp.

Deluxe Flush Electric Toilets



Deluxe Flush Range

The Deluxe Flush range is Jabsco's newest offering to the top of the range electric toilet market. This range is now complete with the new 14" and existing 17" electric toilets and the new 17" bidet.

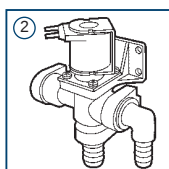
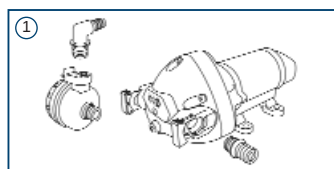
Deluxe Flush Range of Electric Toilets

The stylish and extremely compact design is carefully contoured to conceal the flush pump, wiring and plumbing, whilst still featuring a full-size household seat.

Both 14" and 17" electric toilets are offered in a choice of a slant back or a straight back. The slant back version gives a minimal footprint and makes it easy to mount against a sloping surface or in a corner. The straight back version allows snug fitting against a vertical bulkhead.

The toilets feature a NEW multifunctional 'one touch' control pad which adapts to standard Gewiss and Vimar switch fascias.

- ① 582X0 Series are supplied with a remote mounted self-priming pump to bring in sea, river or lake water to rinse. Complete with Pumpgard™ strainer.
- ② 580X0 Series are supplied with a solenoid valve and syphon breaker assembly for connection to any existing pressurised water system capable of delivering 2.9 US gpm (11 lpm) or more. The syphon breaker ensures there is no backflow from the toilet into the water system.



- Virtually silent operation for comfort on board
- Choice of four rinse options for minimum water usage 1.5 US Quarts (1.5 litres)
- Fresh or salt water flush options
- Anti-blocking centrifugal flush pump

- High vitreous china bowl
- No 'dirt traps' for maximum hygiene and easy cleaning
- Complies with USCG 183.410 and ISO 8846 MARINE (ignition protection)

For service and spare parts listing see **page 208-210.**



Slant Back

Deluxe Flush 14" Slant Back Electric Toilets

Fitting: Connections for 3/4" (19mm) ID inlet hose and 1 1/2" (38mm) outlet hose.
Size: 14 3/8" (36cm) high x 14 1/2" (37cm) wide x 17 5/8" (45cm) deep.
Weight: 58060 Series - 53lb (24kg).
 58260 Series - 57lb (26kg).

- 58060-1012** 14" Slanted Back Bowl with Solenoid Valve 12 volt DC, fuse 25 amp.
- 58060-1024** 14" Slanted Back Bowl with Solenoid Valve 24 volt DC, fuse 15 amp.
- 58260-1012** 14" Slanted Back Bowl with Intake Pump 12 volt DC, fuse 25 amp.
- 58260-1024** 14" Slanted Back Bowl with Intake Pump 24 volt DC, fuse 15 amp.



Slant Back

Deluxe Flush 17" Slant Back Electric Toilets

Fitting: Connections for 3/4" (19mm) ID inlet hose and 1 1/2" (38mm) outlet hose.
Size: 17 1/4" high x 14 1/2" wide x 17 1/2" deep (44.0cm x 37.0cm x 44.5cm).
Weight: 58020 Series - 62lb (28kg).
 58220 Series - 67lb (30kg).

- 58020-1012** 17" Slanted Back Bowl with Solenoid Valve 12 volt DC, fuse 25 amp.
- 58020-1024** 17" Slanted Back Bowl with Solenoid Valve 24 volt DC, fuse 15 amp.
- 58220-1012** 17" Slanted Back Bowl with Intake Pump 12 volt DC, fuse 25 amp.
- 58220-1024** 17" Slanted Back Bowl with Intake Pump 24 volt DC, fuse 15 amp.

Deluxe Flush Electric Toilets



Straight Back

Deluxe Flush 14" Straight Back Electric Toilets

Fitting: Connections for 3/4" (19mm) ID inlet hose and 1 1/2" (38mm) outlet hose.
Size: 14 3/8" (36cm) high x 14 1/2" (37cm) wide x 17 5/8" (45cm) deep.
Weight: 58080 Series - 55lb (25kg).
 58280 Series - 60lb (27kg).

- 58080-1012** 14" Straight Back Bowl with Solenoid Valve 12 volt DC, fuse 25 amp.
- 58080-1024** 14" Straight Back Bowl with Solenoid Valve 24 volt DC, fuse 15 amp.
- 58080-1012** 14" Straight Back Bowl with Intake Pump 12 volt DC, fuse 25 amp.
- 58080-1024** 14" Straight Back Bowl with Intake Pump 24 volt DC, fuse 15 amp.



Straight Back

Deluxe Flush 17" Straight Back Electric Toilets

Fitting: Connections for 3/4" (19mm ID inlet hose and 1 1/2" (38mm) outlet hose.
Size: 17 1/4" high x 14 1/2" wide x 17 1/2" deep (44.0cm x 37.0cm x 44.5cm).
Weight: 58040 Series - 69lb (31kg).
 58240 Series - 64lb (29kg).

- 58040-1012** 17" Straight Back Bowl with Solenoid Valve 12 volt DC, fuse 25 amp.
- 58040-1024** 17" Straight Back Bowl with Solenoid Valve 24 volt DC, fuse 15 amp.
- 58240-1012** 17" Straight Back Bowl with Intake Pump 12 volt DC, fuse 25 amp.
- 58240-1024** 17" Straight Back Bowl with Intake Pump 24 volt DC, fuse 15 amp.



Deluxe Flush Bidet

Jabsco's new Deluxe Flush Bidet completes the range and is the perfect match to the 14" and 17" electric toilets.

- Discreet side mounted mixer valve.
- Closable waste outlet.
- Crevice free contours for added cleanliness and hygiene.
- All plumbing concealed.

Fitting: Inlet - connections for 1/2" (13mm) BSP Outlet - standard 1 1/2" (38mm) waste outlet to be connected to water trap.
Size: 15 3/4" (40cm) high x 14 1/2" (37cm) wide x 17 5/8" (45cm) deep.
Weight: 48lb (18kg).
58090-1000 Bidet, straight back.



Manual Toilets

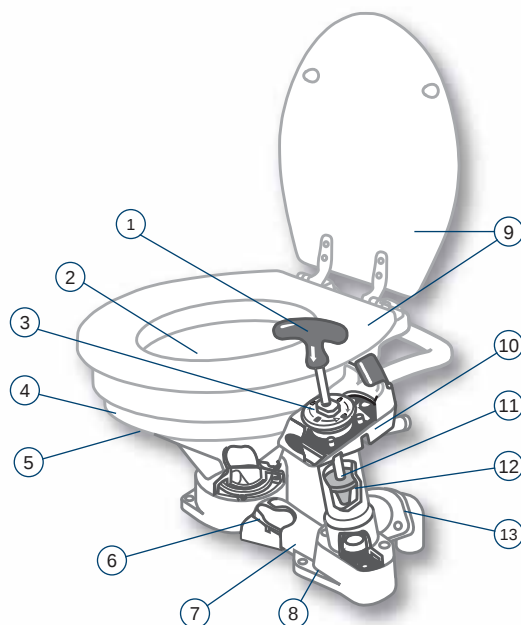


Twist 'n' Lock Manual Toilets

Jabsco is the world's largest manufacturer of small craft marine toilet systems and we have applied all our experience into our latest manual toilet refining the design that is used by nearly all boatbuilders worldwide.

For extra safety and peace of mind the intuitive, simple to use, Twist 'n' Lock action handle guards against syphonic flooding and waste backflow. With one easy 90° turn of the handle, the lock is applied. Turning the handle back to the natural operating position opens the lock again.

- ① Twist 'n' Lock safety handle and flush control lever.
- ② Powerful swirl action for efficient flushing.
- ③ Full sized external seal housing allows quick clean seal replacement and instant access to pump cylinder.
- ④ Hygienic pure white vitreous china bowl for ease of cleaning.
- ⑤ Full size regular bowl or compact bowls available.
- ⑥ Constant 1½" (38mm) bore wastepipe.
- ⑦ Crevice free contours and smooth mouldings for added hygiene.
- ⑧ Reversible pump mounting for choice of right or left handed installation.
- ⑨ Stylised luxury wooden seat and cover with tough baked enamel coating.
- ⑩ Automatic vacuum breaker for easier pumping.
- ⑪ Powerful self-priming pump for above or below waterline installation.
- ⑫ Angled pump housing and long stroke for ease of operation.
- ⑬ Multi-angled discharge elbow contributes to ease of installation.
- All fastenings face front or top for ease of maintenance.
- Flexible design for both overboard discharge and holding tanks.
- Corrosion resistant materials throughout for reliable fresh or salt water service.



- Fitting:** Connections for ¾" (19mm) ID inlet hose, 1½" (38mm) ID outlet hose.
- Size:** Regular: 18½" wide x 19" deep x 13¾" high (47cm x 48cm x 35cm).
Compact: 17¾" wide x 16" deep x 13½" high (45cm x 41cm x 34cm).
- Weight:** Regular: 23½lb (11.6kg). Compact 20½lb (9.3kg).
- 29120-3000** Regular bowl size.
29090-3000 Compact bowl size.
29045-3000 Service Kit.
29127-1000 Replacement Regular Seat and Lid.
29097-1000 Replacement Compact Seat and Lid.

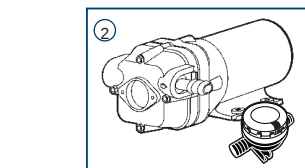
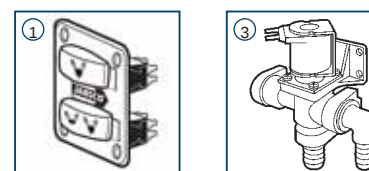
For service and spare parts listing see **page 167**.



Quiet Flush Electric Toilets



37045-Series



37045-Series

Quiet Flush Electric Toilets

Quiet Flush Toilets are a variation of the well proven and popular 37010 Series Electric Toilet. Designed to radically reduce noise levels, Quiet Flush Toilets make life on board more comfortable for all crew members, even those sleeping! Two versions are available, either for connection to the vessels existing pressurized water system or supplied with a remote mounted pump to use salt, river or lake water to flush.

- ① Three way control panel allows the operator to select a normal flush and drain cycle or to lower or raise the water level.
 - ② 37245 Series are supplied with a remote mounted quiet running flush pump to bring in sea, river or lake water for flushing. Complete with Pumpgard™ strainer.
 - ③ 37045 Series are supplied with a solenoid valve and syphon breaker assembly for connection to any existing pressurized water pump with a flow rate of 3.5 gpm (13.5 lpm) or more. The syphon breaker prevents back flow from the toilet to the water system.
- May be mounted up to 3ft (1m) below the water line with proper plumbing to prevent flooding.
 - Both models feature a powerful macerator discharge pump that breaks up waste and evacuates the toilet.
 - Both models are supplied complete with 6ft (2m) of white hose to neatly connect the inlet bowl fitting to either the solenoid valve/syphon breaker assembly or inlet pump.
 - Available in regular or compact bowl sizes.
 - Hygienic, pure white vitreous china bowl for ease of cleaning.
 - Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).

- Fitting:** Connections for ¾" (19mm) ID inlet hose and 1" (25mm) discharge hose. (Adaptor included for connection to 1½" (8mm) discharge hose.)
- Size:** Compact Bowl: 13¾" high x 14" wide x 17½" deep (35cm x 35cm x 45cm).
Regular Bowl: 14½" high x 14½" wide x 19¾" deep (37cm x 37cm x 50cm).
- Weight:** 37045 Compact: 34lb (15.4kg).
37045 Regular: 38lb (17.3kg).
37245 Compact: 38lb (17.2kg).
37245 Regular: 42lb (19.1kg).
- 37045-0092** Compact size, 12 volt DC model, fuse 25 amp.
37045-0094 Compact size, 24 volt DC model, fuse 15 amp.
37045-1092 Regular size, 12 volt DC model, fuse 25 amp.
37045-1094 Regular size, 24 volt DC model, fuse 15 amp.
37245-0092 Compact size, 12 volt DC model, fuse 25 amp.
37245-0094 Compact size, 24 volt DC model, fuse 15 amp.
37245-1092 Regular size, 12 volt DC model, fuse 25 amp.
37245-1094 Regular size, 24 volt DC model, fuse 15 amp.
29127-1000 Replacement Regular Seat and Lid.
29097-1000 Replacement Compact Seat and Lid.
90197-0000 Service Kit, Seal & O-Rings
30617-1000 Service Kit, Flush Pump - 37245 series only.

For service and spare parts listing see **page 206**.

Quiet Flush Electric Kits

Build your own Quiet Flush Toilet using existing Jabsco 37010 Series Toilets or any Manual or Electric toilet bowl with bolt fixing on a ¾" (95mm) diameter circle, to upgrade to Quiet Flush operation. The same options are available as the complete toilet for fresh or salt water flush.

- ① Three way control panel allows the operator to select a normal flush and drain cycle or to lower or raise the water level.
 - ② 37255 Series are supplied with a remote mounted quiet running flush pump for use with salt, river or lake water. Complete with Pumpgard™ strainer.
 - ③ 37055 Series are supplied with a solenoid valve and syphon breaker assembly for connection to any existing pressurized pump of 3.5 gpm (13.5 lpm) or more.
- Comprehensive kit has all necessary components, except bowl, seat and lid.
 - Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).

- Fitting:** Connections for ¾" (19mm) ID inlet hose and 1" (25mm) discharge hose. (Adaptor included for connection to 1½" (38mm) discharge hose.)
- Size:** 12" long x 8½" wide x 3½" high (32cm x 21cm x 8cm)
- Weight:** 37055 Series: 12½lb (5.7kg)
37255 Series: 16½lb (7.5kg)
- 37055-0092** 12 volt DC model, fuse 25 amp
37055-0094 24 volt DC model, fuse 15 amp
37255-0092 12 volt DC model, fuse 25 amp
37255-0094 24 volt DC model, fuse 15 amp
90197-0000 Service Kit, Seal & Gaskets

For service and spare parts listing see **page 206**.



37055-Series



37255-Series

Electric Toilets & Kits



Electric Toilets

Household size bowl complements the luxury of electric flushing with choice of compact bowl where space is at a premium.

- Hygienic pure white vitreous china bowl for ease of cleaning.
- Stylized luxury wooden seat and cover with tough baked enamel coating.
- Stainless steel and bronze fastenings for reliable salt water service.
- Flushing pump self-priming up to 4ft (1.2m) vertical lift.
- May be mounted 3ft (1m) below the waterline.
- Equally suitable for overboard or holding tank discharge.
- Built-in back flow preventer.
- For installations fitted with vented loops use a solenoid valve (see below).
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).

Fitting: Connections for $\frac{5}{8}$ " - $\frac{3}{4}$ " (16-19mm) ID inlet hose, 1" or $1\frac{1}{2}$ " (25mm or 38mm) ID outlet hose.

Size: Compact: $13\frac{7}{8}$ " wide x $17\frac{5}{8}$ " deep x 14" high (35cm x 43cm x 35cm).
Regular: $14\frac{3}{4}$ " wide x $18\frac{1}{2}$ " deep x $14\frac{5}{8}$ " high (38cm x 47cm x 37cm).

Weight: Compact: 34lb (15.4kg).
Regular: $38\frac{1}{2}$ lb (17.3kg).

37010-0090 Compact size 12 volt DC model, fuse 25 amp.

37010-0096 Compact size 24 volt DC model, fuse 15 amp.

37010-1090 Regular size 12 volt DC model, fuse 25 amp.

37010-1096 Regular size 24 volt DC model, fuse 15 amp.

29127-1000 Replacement Regular Seat and Lid.

29097-1000 Replacement Compact Seat and Lid.

37040-0000 Service Kit, Seals & O-Rings.

For service and spare parts listing see **page 206**.

Electric Kits

Convert our Manual Toilet Compact and Regular bowl models to full electric operation without need to alter existing inlet or discharge seacocks.

- Also converts most toilets with 4 bolt screw pattern on a $3\frac{3}{4}$ " (95mm) diameter bolt circle such as Groco, Raritan, Wilcox Crittenden, Mansfield and Sealand.
- Push button flushing for ease and simplicity of operation.
- Comprehensive kit has all necessary parts, including flushing pump, macerator pump, switch, adaptors, clamps, hose and fastenings.
- Flushing pump self-priming up to 4ft (1.2m) vertical lift.
- May be installed 3ft (1m) below the waterline.

- For installations fitted with vented loops use a solenoid valve on inlet hose (see below).
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).

Fitting: Connections for $\frac{5}{8}$ " - $\frac{3}{4}$ " (16-19mm) ID inlet hose, 1" or $1\frac{1}{2}$ " (25 or 38mm) ID outlet hose.

Size: $13\frac{1}{4}$ " long x $8\frac{1}{4}$ " wide x $3\frac{3}{4}$ " high (34cm x 21cm x 8cm).

Weight: $12\frac{1}{2}$ lb (5.7 kg).

37010-0092 12 volt DC model, fuse 25 amp.

37010-0097 24 volt DC model, fuse 15 amp.

37040-0000 Service Kit, Seal and Gaskets.

For service and spare parts listing see **page 206**.

Solenoid Valve for 37010-Series Electric Toilets

Where 37010 Series Electric Toilets are installed below the waterline we recommend installing a loop on the inlet plumbing rising at least 8" (20cm) above the highest (static or heeled) waterline level, and installing a vented loop fitting at the top of the loop to stop water syphon over the loop and flooding the vessel.

The suction generated by 37010 Series electric toilets will open the valve in vented loops, drawing in air and preventing priming. The

37068-2000 Solenoid Valve attaches directly to Jabsco Vented Loops and is wired to the toilet's on/off switch. It closes whenever the toilet pump is operated and ensures full pump priming.

37068-2000 Solenoid valve for use with 12 or 24 volt DC.

For use with:
29015-0000 $\frac{3}{4}$ " (19mm) Vented Loop (see page 13).

Recommended accessory 29295-1011 $\frac{3}{4}$ " (19mm) Inlet Return Valve (see page 12).

Electric Conversion



Electric Conversion for Manual Toilets

This design makes installation of electric toilets both affordable and practical. Boatbuilders find it easier to offer the option of electric or manual toilets to their customers. Boat owners appreciate modern design and the safety of a unit that can be reconverted to manual operation inside fifteen minutes in the event of a power failure. Boatbuilder and Boat owners benefit from a conversion kit that makes use of existing manual toilet plumbing.

- Complete for 29090/29120 Series, compact and regular bowl, left or right hand manual toilets.
- A range of adaptors replace the conversions standard macerator housing to allow attachments to a wide variety of manufacturers' manual toilets. See list of adaptors.
- Simple rotary control knob offers choice of "Flush and Discharge" or "Discharge Only".
- Existing discharge plumbing remains undisturbed for ease of installation.
- Miserly power consumption, typically less than the equivalent of 1.0 amp/hour each day.
- Vigorous 5 gpm (20 lpm) flush rate for rapid flushing, typically less than 10 seconds.
- Crevice free contours for added hygiene.
- Two powerful self-priming pumps for above or below waterline installation.
- Dual role design macerates waste for both overboard discharge and holdings tanks.
- Automatic inlet water checkvalve for additional security.
- Corrosion resistant materials throughout for reliable fresh or salt water service.

- Manual pump may be refitted to maintain service in the event of power failure.
- Strong, abrasion resistant plastic moldings for consistent color match and high gloss finish.
- Retains existing joker valve to maintain automatic back-flow protection.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).

Fitting: Connections for $\frac{3}{4}$ " (19mm) ID inlet hose and for existing discharge elbow and outlet hose.

Size: $10\frac{1}{2}$ " high x $3\frac{1}{2}$ " wide x 6" deep (27cm x 9cm x 15cm).

Weight: $7\frac{1}{2}$ lb (3.3kg).

29200-0120 Toilet conversion, 12 volt DC, fuse 25 amp.

29200-0240 Toilet conversion, 24 volt DC, fuse 15 amp.

29101-0000 Service Kit, Seals and Gaskets.

*Requires minor repositioning of discharge hose
For service and spare parts listing see **page 204**.

Vented Loops

An essential safety component on all inlet and discharge plumbing of toilets installed below the static or heeled waterline.

- Simple valve system ensures water cannot syphon over plumbing loops.
- Available in three sizes for $1\frac{1}{2}$ " (38mm), 1" (25mm) and $\frac{3}{4}$ " (19mm) ID hose.
- Internal valve avoids need for external venting.
- Molded in tough, corrosion proof plastic.

Fitting: Connections for $1\frac{1}{2}$ " (38mm), 1" (25mm) and $\frac{3}{4}$ " (19mm) ID hose.

Size: $1\frac{1}{2}$ " (38mm) model: 5" high x $7\frac{1}{4}$ " wide x 2" deep (12.5cm x 18.5cm x 5cm).

1" (25mm) model: 5" high x $7\frac{1}{4}$ " wide x $1\frac{3}{4}$ " deep (12.5cm x 19cm x 4.5cm)
 $\frac{3}{4}$ " (19mm) model: 3" high x $3\frac{3}{4}$ " wide x 1" deep (7.5cm x 9.5 x 2.5cm)

Weight: $1\frac{1}{2}$ " (38mm) model: $\frac{1}{2}$ lb (0.2kg)
1" (25mm) model: $\frac{1}{4}$ lb (0.13kg)
 $\frac{3}{4}$ " (19mm) model: $1\frac{1}{2}$ oz (0.04kg).

29015-0000 $\frac{3}{4}$ " (19mm) model.

29015-0020 1" (25mm) model.

29015-0010 $1\frac{1}{2}$ " (38mm) model.

29015-1000 Replacement Valve.

Inlet Non-return Valve

A check valve gives quicker and easier flushing response on many manual and 37010-Series electric toilet installations.

- For use with manual and electric toilets using sea water flush.
- Simply fit in inlet suction hose, near seacock but just above waterline.
- Prevents loss of prime in above waterline

- Retains water in bowl of 37010-Series electric toilets installed above waterline.

Fitting: Connections for $\frac{3}{4}$ " (19mm) ID hose.

Size: $4\frac{1}{4}$ " long x $2\frac{1}{8}$ " wide x 2" high (10.8cm x 5.5cm x 5cm).

Weight: $\frac{1}{4}$ lb (0.1kg).

29295-1011 Inlet Non-Return Valve.

Macerator & Waste Pumps



Waste Pump

Robust diaphragm pump passes solids and is particularly effective in emptying holding tanks. The multi-positional pump head offers a variety of installation options.

- 5 gpm (19 lpm) output.
- Self-priming up to 10ft (3m).
- Capable of extensive dry running.
- Compact and simple design.
- Quiet running.
- Flexible installation.
- Corrosion resistant parts.

- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).
- ISO 8849 MARINE (Bilge Pump Standard).

Fitting: Connections for 1½" (38mm) ID hose.

Size: 10.9" long x 6.1" wide x 4.4" high (27.7cm x 15.5cm x 11.1cm).

Weight: 6lb (2.7kg).

50890-1000 12 volt DC model, fuse 10 amp.

50890-1100 24 volt DC model, fuse 5 amp.

SK890 Service Kit.

For service and spare parts listing see **page 189**.

Run-Dry Macerator Waste Pump

The latest version of the Macerator Pump now has a fully sealed motor and a new more powerful chopper blade. The sealed motor consists of o-ring sealed endbells, sealed bearings and a hard durable powder coating to prevent corrosion occurring both internally and externally. A new four-bladed chopper has been added to further reduce the possibility of clogging. The pump still has the Run-Dry feature present in previous models.

- Triple sealed motor to prevent both internal and external motor corrosion.
- New four-bladed chopper reduces clogging.
- Detects the absence of fluid then shuts-off pump before impeller is damaged.
- Sensor provides adequate run-dry period to allow initial priming of the pump.

- Interrupting power supply to the macerator resets the Run-Dry Device.
- Flow rate to 12 gpm (45 lpm).
- Self-priming to 4ft (1.2m) vertical lift.
- Complies with USCG 183.410 and ISO 8846 MARINE (Ignition Protection).

Fitting: Inlet Port: 1½" (38mm) Hose Barb plus 1½" NPT. Inlet Port, RV Model: 3" (75mm) Hose Discharge Port: 1" (25mm) Hose Barb.

Size: 11¾" long x 4¾" wide x 3⅝" high (29cm x 12cm x 9cm).

RV model is only 8¾" (21cm) long.

Weight: 5lb (2.3kg).

18590-2092 12 volt DC Pump, Marine model.

18590-2094 24 volt DC Pump, Marine model.

For service and spare parts listing see **page 212**.



AC Macerator Pump

The AC Macerator is similar to the DC models. It is ideal for heavy-duty commercial applications where mains power is available.

- Flow rate to 14 gpm (53 lpm).
- Thermal-overload protected motor.
- Includes convenient carrying handle.
- Self priming to 4ft (1.2m).

Fitting: Inlet Port: 1½" (38mm) Hose Barb plus 1½" NPT. Discharge Port: 1" Hose Barb.

Size: 14⅞" long x 7¾" wide x 8" high.

Weight: 18690-Series 19lb

(8.6kg).

22130-Series 24lb (10.7kg).

Suitable for North America.

18690-0000 115V AC Marine model.*

Suitable for Europe.

22130-2721 110/230V 50/50Hz Marine*.

For service and spare parts listing see **page 212**.

*Products marked do not comply with European legislation.

WARNING

Explosion hazard.

Pumps with AC motors can spark. Explosion and death can occur. Do not use where flammable vapors are present.



Tanks & Accessories



Toilet Pumpgard™

The Pumpgard™ protects manual or electric toilets from pump malfunctions caused by debris.

- Simply installed in ¾" (19mm) ID inlet hose.
- Transparent housing allows instant inspection.
- Screw off top allows quick in place cleaning and removal of debris.

Fitting: Connections for ¾" (19mm) ID hose.

Size: 4¾" long x 2¾" wide x 2½" high (12cm x 7cm x 6cm).

46400-0000 Toilet Pumpgard™.

18753-0040 Replacement 40# Mesh Filter.

Digital Holding Tank Management System



The new digital holding tank management systems are NEW additions to Jabsco's waste system portfolio. Building on the success of the Waste Management System Jabsco have launched the sensing technology and the pump control system as a stand alone kit making it easy for an OEM to use these kits on their current tank vendors product or for an End User to install on an existing tank. All the same features and benefits of the waste management system are still present in these stand alone kits and are listed below; the kits come in 12v or 24v and can be supplied without a pump, with a macerator pump or the Jabsco Waste Diaphragm Pump.

- External sensors for fast and accurate level sensing eliminating the possibility of clogging.
- Touch Pad control includes pump activation control with auto shut off – the activation feature has 3 second delay to avoid accidental operation.

- Illuminated level indication showing 8 level increments to full.
- Unit can be put into sleep mode so illuminated LED's do not create a disturbance.

Sensor, Display and Control System (pump not included).

Kit Contains:

- Touch Pad Display with Pump Control and Level Indication.
- 8 x Sensor Array.
- System Junction Box with plug and play waterproof connections.

- 15ft (4.5m) Control Panel Cable with waterproof connector included.

- Pump Cable with waterproof connector included.

Size: 12 x 6.5 x 3 inches.

Weight: 5lbs.

38210-0012 12 volt DC.

38210-0024 24 volt DC.

Sensor, Display and Control System with 18590 Macerator Pump included.

Kit Contains:

- All components from 38210-Series Kit
- 18590-Series Macerator Pump

Size: 13.75 x 9.75 x 7 inches.

Weight: 11lbs.

38220-0012 12 volt DC.

38220-0024 24 volt DC.

Sensor, Display and Control System with 50890 Wste Pump included.

Kit Contains:

- All components from 38210-Series Kit.
- 50890-Series Waste Diaphragm Pump.

Size: 14 x 9.75 x 8 inches.

Weight: 12lbs.

38230-0012 12 volt DC.

38230-0024 24 volt DC.

Tanks & Accessories



Waste Management System

Jabsco's NEW Type 3 Waste Management System provides an easy-to-install, all-inclusive solution consisting of a compact polyethylene holding tank and an integral Run-Dry Macerator Pump. The system has a touch-pad control panel to monitor waste levels and when required the user can activate the macerator pump to evacuate waste.

- External linear sensor for fast and accurate level sensing.
- Rugged 7.5 gallon (38 liter) polyethylene holding tank.
- Integral Run-Dry Macerator Waste Pump mounted on the tank.
- Touch-pad includes macerator activation control with auto shut-off - the activation feature has 3 second delay to avoid accidental operation.
- Illuminated level indication showing 8 level increments to full.
- Unit can be put into Sleep mode so illuminated LED's do not create a disturbance.

Fitting: Inlet port 1½" (38mm) hose barb.
Dockside evacuation port:
1½" (38mm) hose barb.
Vent connection:
¾" (19mm) hose barb.

Weight: 24lb (11kg).

Size: 14" long x 18" deep x 12" high
(36cm x 47cm x 31cm).

38110-0092 12 volt DC Pump, fuse 16 amp.

38110-0094 24 volt DC Pump, fuse 8 amp.



Y-Valve

Robust Y-Valve for use in toilet applications. Allows waste to be pumped overboard or into a holding tank.

- Rotating ports allow for variable routing of hoses onto the valve.
- Can be operated through bulkhead by use of optional handle extension.
- Can be padlocked so that waste can only go to the holding tank to comply with some local regulations (padlock not included).
- Waste and corrosion resistant construction throughout.

Fitting: Connections for both 1½" (38mm) ports and 1" (25mm) inlet port.

Size: 7⅝" long x 7¼" wide x 4⅝" high
(20cm x 19cm x 12cm).

Weight: 2lb (0.9kg).

45490-1000 Y Valve.

45500-1000 Handle Extension Kit.

45488-0000 Service Kit.

45493-0000 Replacement Handle.

18753-0661 Replacement Ports Kit.

Padlock
NOT included

