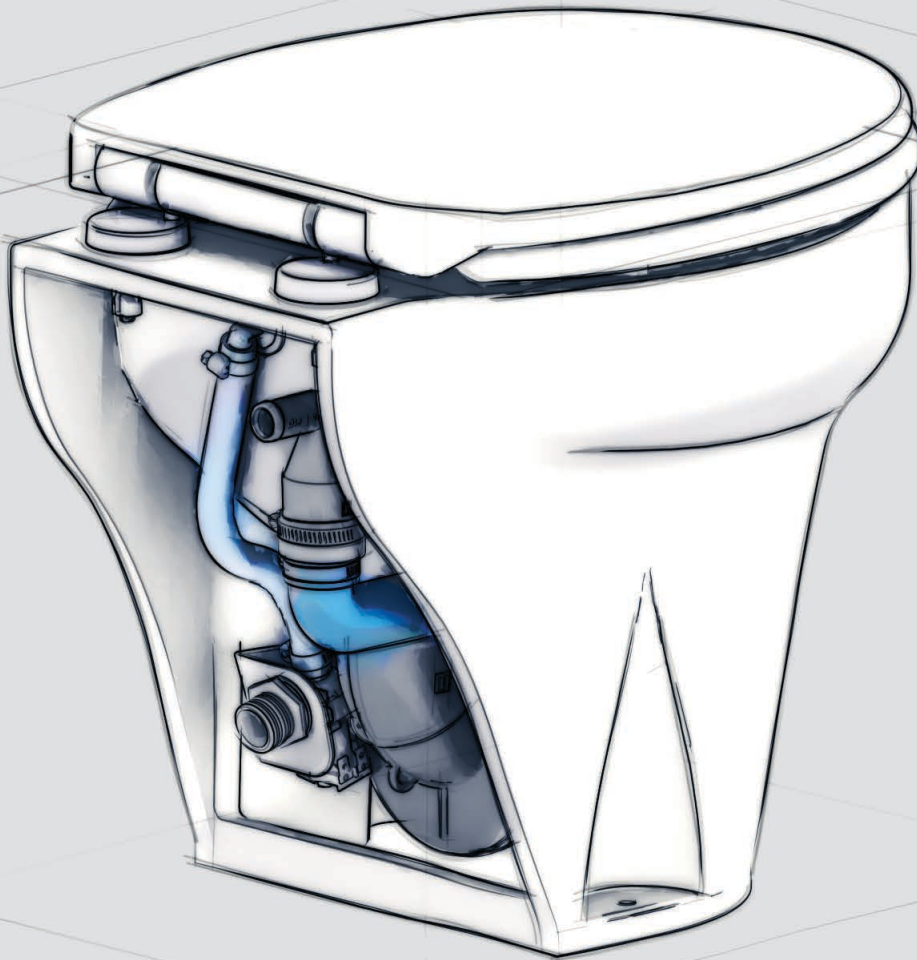




vetus

Waste water systems



Waste water systems

Overview

Electric marine toilets see page 195



TMSQ



TMWQ

Electric toilet control panels see page 196



TMWBP



TMWBS

Sani-processors see page 199 - 200



SAPRO



GWDS

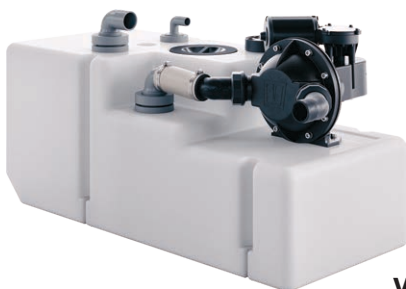
Rigid tanks for waste water see page 201 - 204



ATANK



BTANKC



WWS



WW



All Purpose Tank

see page 205



APT

Flexible waste water tanks

see page 206



TANKV

TankFresh

see page 207



TFRESH

Accessories for waste water holding tanks

see page 208 - 216



WWSensorA



WWCP



RT



EMP140



VRF56A



HA



ILT120



MV



Y3C



ILTCONW



Waste water systems

Efficient, low-maintenance systems for on-board sanitation

VETUS offers a complete and reliable waste water system designed for marine environments. Whether you're building a new vessel or upgrading an existing one, our modular systems make it easy to manage all on-board waste water with minimal maintenance and maximum performance.

Waste water on board is divided into two types

- Black water: waste from toilets, including human waste and flush water. This must always be collected in a holding tank and discharged at a pump-out station.
- Grey water: waste water from showers and sinks. Though less hazardous, grey water may still need to be collected depending on local regulations.

Together, these form the total waste water load on a vessel. VETUS systems are engineered to handle both black and grey water effectively, either separately or combined using high-quality polyethylene tanks, quiet and powerful pumps, secure fittings, and advanced ventilation and odour-control solutions.

Key advantages of the VETUS system

- Compact and easy-to-install components
- ISO 8099* certified for waste water handling
- Odour-free operation with no-smell filters and TankFresh
- Compatible with a wide range of electric toilets, tanks, pumps and sensors
- Designed for long-term marine use

Electric marine toilets - comfort and performance on board (1)

VETUS electric toilets are engineered for quiet operation, efficient flushing, and low water consumption. Each model features a durable porcelain bowl, a soft-close, quick-release seat, and a powerful macerator pump with stainless steel blades. The standard discharge hose connection is 19 mm. The advantage of a 19 mm discharge hose is that it takes up less space and is easier to conceal within walls or floors. It also promotes faster wastewater flow, contributing to a more efficient flush. Available in a range of sizes and styles from compact to full-size, wall-mounted to floor-standing, VETUS toilets are designed to fit any layout

WWS complete tank system - All-in-one waste water solution (2)

The WWS series offers a ready-to-install waste water tank system, including a built-in EMP140 pump, level sensor, inspection lid and fittings. Made from high-quality polyethylene, and are fully compliant with ISO 8099.

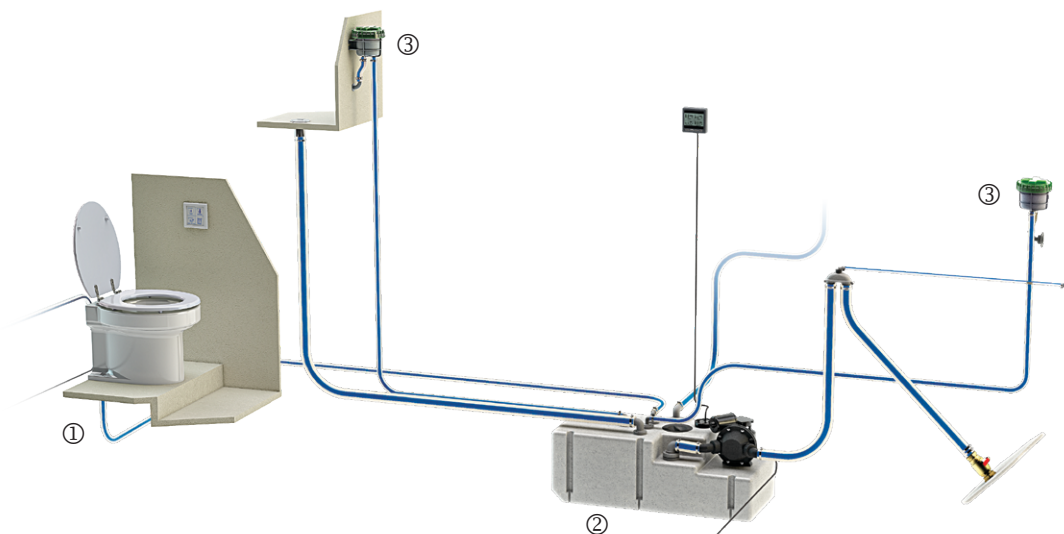
Odour Control - Filters and treatment for a fresh system (3)

Keep your onboard waste water system fresh all season long with VETUS odour control solutions. The VETUS no-smell filters, filled with activated carbon, effectively prevent unpleasant smells from escaping through the breather line. Easy to install, they offer immediate and long-lasting results. Two ventilation lines ensure that there is adequate airflow, which helps in breaking down waste more effectively and reduces the risk of unpleasant smells. Complementing this, the TankFresh additive is a powerful, organic, bacteria-based concentrate that naturally breaks down waste without producing odours. Just one bottle is enough to maintain a clean, fresh-smelling system throughout the entire boating season.

Recommended maintenance for your waste water system

- Check and replace filter element/canister yearly
- Flush hoses regularly
- Use TankFresh consistently
- Ensure proper ventilation

* ISO 8099 is an international standard for the design and installation of waste water holding tanks on recreational vessels.





Electric marine toilets

Comfort, efficiency and compact installation for every vessel

VETUS electric toilets combine hygiene, durability and convenience in a compact design. Whether you're upgrading from a manual pump toilet or outfitting a new yacht, there's a model to fit your space, voltage, and comfort requirements. All models are designed for quiet operation, low power consumption and a low water consumption.

Each toilet comes with a powerful macerator pump with stainless steel cutting blades, and a soft-close seat for optimal on-board sanitation. Options are available for both floor and wall mounting, compact or full-size bowls.

Toilet model comparison table

Type	Mounting	Size	Control type	Voltage	Special features	Noise level (dBA)	Weight (kg)
TMSQ	Floor mount	Compact	Switch or control panel	12 V / 24 V DC	Includes Ø19/25/38 mm adapters	± 60	20
TMWQ	Floor mount	Compact	Switch or control panel	12 V / 24 V DC	Includes Ø19/25/38 mm adapters	± 60	18
SMTQ	Floor mount	Extra compact	Control panel	12 V / 24 V DC	Lightweight and small footprint	± 60	17,5
SMTOS	Floor mount	Extra compact	Switch	12 V / 24 V DC	Lightweight and small footprint	± 60	17,5
WCP	Floor mount	Extra compact	Control panel	12 V / 24 V DC	External control box	± 60	17,5
WCPS	Floor mount	Extra compact	Switch	12 V / 24 V DC	Lightweight and small footprint	± 60	17,5
WCS	Floor mount	Full-size	Control panel or push button	12 V / 24 V DC / 110/230 V AC	Home-style design, comfortable seat height	± 60	23
HATO	Wall mount	Regular	Control panel or push button	12 V / 24 V DC / 230 V AC	No floor contact, sleek design	± 60	38

TMSQ / TMWQ - Compact floor mounted electric toilet

Specifications

- A welcome alternative for manual pump toilets
- Compact size
- Floor mount
- Quiet macerator operation
- Soft-close and quick-release toilet seat
- Includes adapters for Ø 19, Ø 25 and Ø 38 mm discharge hose
- Control via rocker switch or control panel
- Available in 12 V or 24 V DC
- Low water consumption

Type	Control type	Voltage (V DC)	Consumption (A)	External Ø discharge (mm)	Water inlet connection	Noise level (dBA)	Weight (kg)
TMW12Q	Switch or control panel	12	25	Includes Ø19/25/38 mm adapters	Female G ³ / ₄ / 13 mm	± 60	18
TMW24Q	Switch or control panel	24	12,5	Includes Ø 19/25/38 mm adapters	Female G ³ / ₄ / 13 mm	± 60	18
TMS12Q	Switch or control panel	12	25	Includes Ø 19/25/38 mm adapters	Female G ³ / ₄ / 13 mm	± 60	20
TMS24Q	Switch or control panel	24	12,5	Includes Ø 19/25/38 mm adapters	Female G ³ / ₄ / 13 mm	± 60	20



Waste water systems

Electric toilet control panels

Control switch for TMWQ + TMSQ toilet

Full control over the flush

A simple and effective two function switch to fill or empty the bowl.

Specifications

- Switch dimensions 78x47 mm
- Build-in depth 40 mm
- Complete installation package including 3 m cable
- Suitable for 12 or 24 VDC
- Waterproof IP65



TMWBS

Control panel for TMWQ + TMSQ toilet

Pre-programmed comfort

The panel is easy to operate with just four functions. It has an eco (± 1,2 L) and normal flush (± 2,2 L) button and a fill or empty bowl button. Using a marine toilet was never this easy, just touch the button!

Specifications

- Panel dimensions 110x110 mm
- Build-in depth 50 mm, hole size Ø 76 mm
- Complete installation package including 3 m cable
- Suitable for 12 or 24 VDC
- Waterproof IP65



TMWBP

Electric marine toilets

SMTO - Ultra compact electric toilet

Specifications

- Quiet electric macerator
- Soft-close and quick-release toilet seat
- Floor mount
- Extra compact size
- Lightweight for easier handling and installation
- 12 V or 24 V DC operation

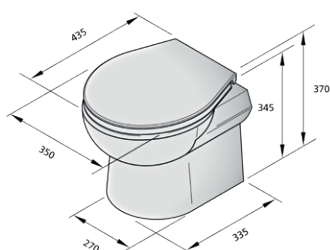


Incl. with
SMT02



Incl. with
SMT02S

Type	Control type	Voltage (V DC)	Consumption (A)	External Ø discharge (mm)	Water inlet connection	Noise level (dBA)	Weight (kg)
SMT0212	Control panel (included)	12	25	19	Female G ³ / ₄	± 60	17,5
SMT0224	Control panel (included)	24	12,5	19	Female G ³ / ₄	± 60	17,5
SMT0512	Switch (included)	12	25	19	Female G ³ / ₄	± 60	17,5
SMT0524	Switch (included)	24	12,5	19	Female G ³ / ₄	± 60	17,5



SMTO





Electric marine toilets

WCP - Compact electric toilet with external control box

Specifications

- Compact design
- Soft-close and quick-release toilet seat
- Floor mount
- Extra compact size
- Ø19 mm discharge
- Available in 12 V and 24 V DC

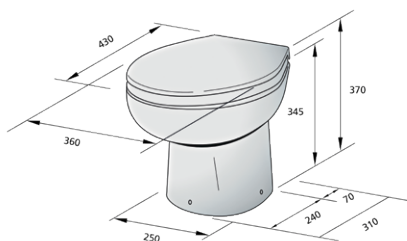


Incl. with
WCP



Incl. with
WCPS

Type	Control type	Voltage (V DC)	Consumption (A)	External Ø discharge (mm)	Water inlet connection	Noise level (dBA)	Weight (kg)
WCP12	Control panel (included)	12	25	19	Female G ³ / ₄	± 60	17,5
WCP24	Control panel (included)	24	12,5	19	Female G ³ / ₄	± 60	17,5
WCPS12	Switch (included)	12	25	19	Female G ³ / ₄	± 60	17,5
WCPS24	Switch (included)	24	12,5	19	Female G ³ / ₄	± 60	17,5



WCP



WCS - Full-size floor-mounted electric toilet

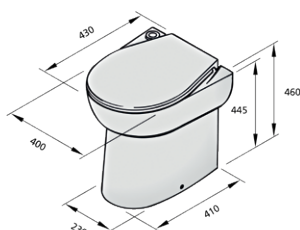
Specifications

- Traditional full-size toilet with standard seat height
- Soft-close and quick-release toilet seat
- Floor mount
- Powerful and quiet macerator pump
- Available in DC and AC versions (12 V, 24 V, 110/230 V)
- Operation via control panel or push button
- Quiet and reliable flushing system



Incl. with
WCS 12 / 24 V

Type	Control type	Voltage (V DC)	Consumption (A)	External Ø discharge (mm)	Water inlet connection	Noise level (dBA)	Weight (kg)
WC12S2	Control panel (included)	12	25	19	Female G ³ / ₄	± 60	23
WC24S2	Control panel (included)	24	12,5	19	Female G ³ / ₄	± 60	23
WC110S	Push button (included)	110 V AC	5	19	Female G ³ / ₄	± 60	23
WC220S	Push button (included)	230 V AC	2,5	19	Female G ³ / ₄	± 60	23



Push button (AC toilets only)

WCS



Waste water systems

Electric marine toilets

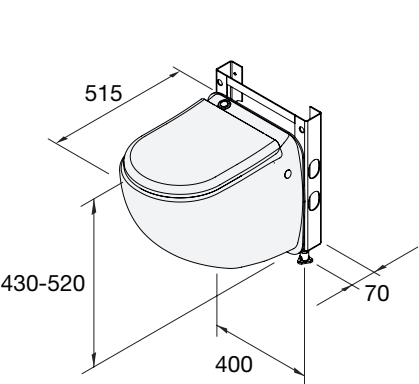
HATO - Wall-Mounted Electric Toilet

- Specifications**
- Soft-close and quick-release toilet seat and full-sized ceramic bowl
 - No floor contact: hygienic and easy to clean
 - Wall mounted
 - Available in 12 VDC and 24 VDC
 - Operation via control panel or push button
 - Flexible mounting height
 - Excellent fit for contemporary yacht interiors



Incl. with
HATO 12 / 24 V

Type	Control type	Voltage (V DC)	Consumption (A)	External Ø discharge (mm)	Water inlet connection	Noise level (dBA)	Weight (kg)
HATO12C	Control panel (included)	12	25	19	Female G ³ / ₄	± 60	38
HATO24C	Control panel (included)	24	12	19	Female G ³ / ₄	± 60	38





Sani-processor

Compact Sani-Processor for black and grey water

The comfort and style of home

On larger boats, owners want to have the comfort and looks of their toilet at home. Therefore VETUS has developed the Sani-Processor with an electric macerator and a powerful pump in order to use an ordinary gravity flow, domestic toilet on board. When flushing the toilet, the Sani-Processor collects the contents, macerates and pumps the slurry into a holding tank. The whole process takes only 10 to 30 seconds and is very quiet. The unit can be easily cleaned by removing the inspection lid. We recommend using the VETUS sanitary connecting hoses, type SAHOSE, to ensure an odour-tight process.

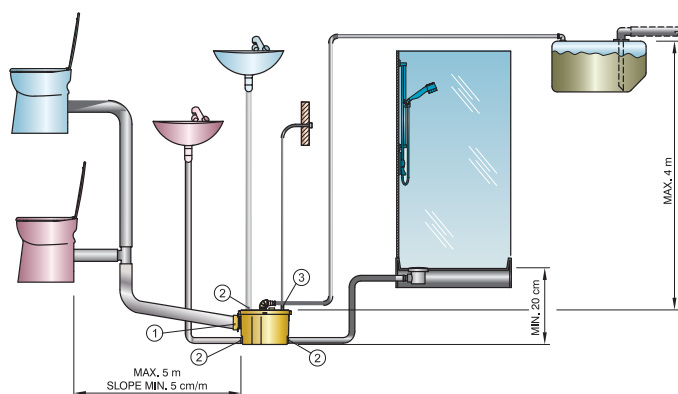
Specifications

- Processor dimensions l 420 x w 120 x h 360 mm
- Holding tank placement max. 4 m higher than Sani-Processor
- Macerator diameter 98 mm
- Weight 4,8 kg
- Pump capacity approx. 50 L/min at 4 m head
- Power consumption approx. 370W (12 VDC), 435W (24 VDC), 400W (230 VAC)
- Available for 12 or 24 VDC, 230 VAC/50Hz or 120 VAC/60Hz
- Maximum permissible water temperature 35 °C
- Noise level 61dB(A)

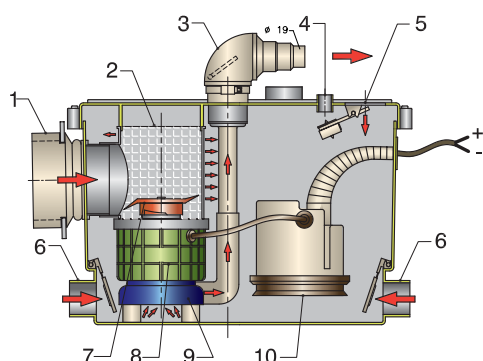
Connections

- Hose from toilet to Sani-Processor:
Ø 102 mm, max. length 4 m
- Hose from Sani-Processor to holding tanks:
Ø 19 mm, max. length 20 m
- Washbasin/bidet connections: Ø 40 mm

Type	Voltage (DC)
SAPRO12	12
SAPRO24	24
SAPRO220	230 VAC / 50 Hz



1. Hose connection Ø 102 mm (SLVBR100K)
2. Hose connection Ø 40 mm (SLVBR40K or HA3060)
3. Hose connection HA1338



1. Toilet connection, Ø 102 mm
2. Protective grille
3. Waste discharge connections: male Ø 19 mm o.d. and female Ø 25 / 28 / 32 mm i.d
4. Breather connection, Ø 19 mm
5. Washbasin / bidet connection, Ø 40 mm
6. Washbasin or shower connection, Ø 40 mm
7. Stainless steel (AISI 316) blades
8. Electric macerator motor
9. Discharge pump
10. Float switch

Waste water systems

Sani-processor

Discharge system to transport waste water into holding tank

Pumping water automatically from the shower tray or washbasin into a waste water tank is possible with the VETUS grey water discharge system (GWDS). It has a watertight housing with a low noise discharge pump, automatic flow switch and a non-return valve in the discharge line. You can easily pump the water into the holding tank.

Specifications

- Dimensions tank l 300 x w 165 x h 145 mm
- Waste water tank location up to 4 m above GWDS unit or up to 20 m away from it
- Bottom of GWDS unit must be placed at least 6 cm below shower tray or washbasin
- Weight 3,5 kg
- Pump output approx. 44 L/min
- Power consumption approx. 340 W (12 VDC), 350 W (24 VDC), 600 W (120 VAC), 250 W (230 VAC)
- Available for 12 or 24 VDC, 230 VAC / 50Hz
- Not suitable for water temperature above 40°C
- Noise level 46dB (A)

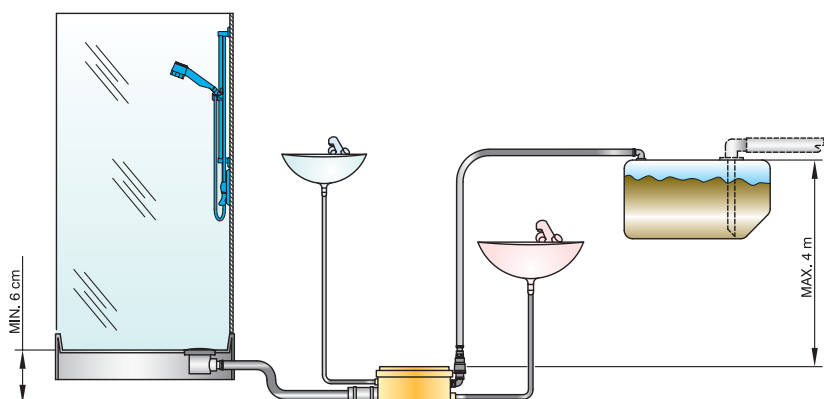
Connections

- Outlet discharge to holding tank: Ø 19 mm
- Inlet connections from shower or washbasin: Ø 32 or 40 mm

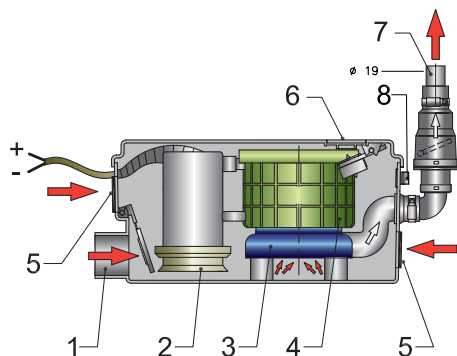


GWDS

Type	Voltage (DC)
GWDS12	12
GWDS24	24
GWDS220	230 VAC / 50 Hz



Hose connectors (1) HA1338 and (2) HA3060 are shown on page 215.



1. Shower or washbasin connection Ø 40 mm
2. Float switch
3. Discharge pump
4. Electric motor
5. Washbasin connection, Ø 32 or 40 mm
6. Breather
7. Waste water discharge connection: male Ø 19 mm o.d
8. Air conditioner connection, Ø 12 mm



Rigid tanks for waste water

ATANK series

Versatile and durable

The ATANK is a strong, multi-purpose tank designed to hold waste water (both black and grey), fresh water, or diesel fuel. It is made from thick, odour-proof, high-quality polyethylene, which makes it more resistant to pressure. Unlike metal tanks, it does not corrode and produces less condensation. You can install an inspection lid and fittings wherever needed (sold separately). Labels for different contents, like waste water, are included.

Specifications

- Available in 42, 61, 88, 110, 137, 170, 215, 335 and 390 L
- Light blue translucent polyethylene
- Durable: Thick-walled construction
- Corrosion-resistant: Ideal for long-term use in tough environments
- Multi-purpose: Suitable for waste water (black water and grey water), fresh water, and diesel fuel
- Flexible installation: Fittings can be placed where needed

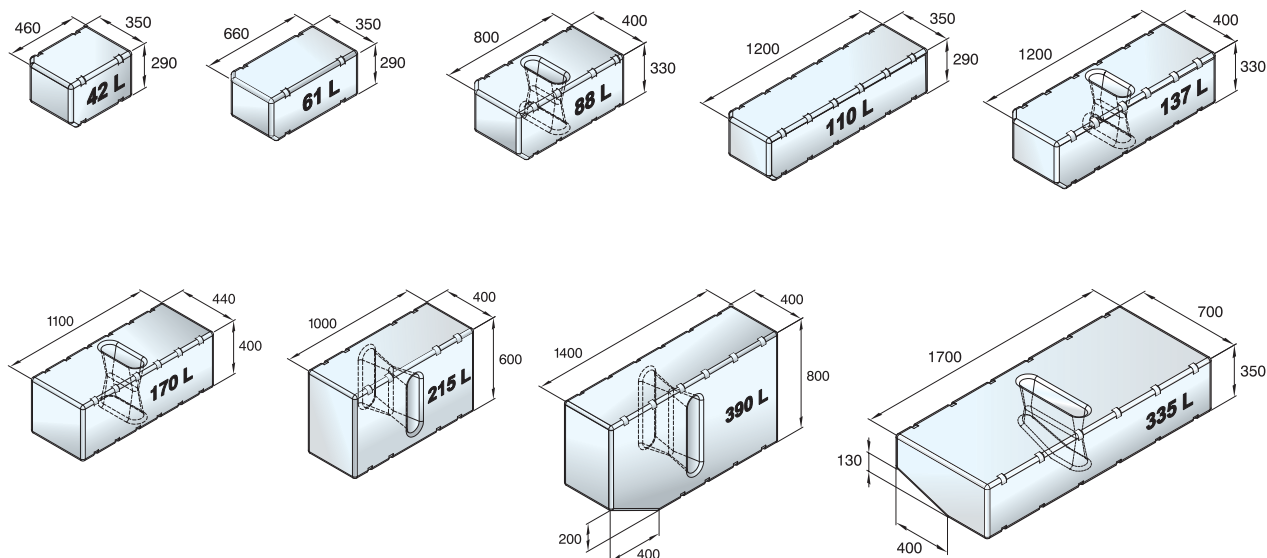
Some ATANK models include an integrated baffle that reduces liquid movement inside the tank during sailing. This improves stability and reduces noise.



ATANK

Type	Suitable for	Capacity (L)	Wall thickness (mm)	Baffle integrated	Colour
ATANK042	Waste water (fresh water, or diesel)	42	5		Light blue translucent
ATANK061	Waste water (fresh water, or diesel)	61	5		Light blue translucent
ATANK088	Waste water (fresh water, or diesel)	88	6	✓	Light blue translucent
ATANK110	Waste water (fresh water, or diesel)	110	6		Light blue translucent
ATANK137	Waste water (fresh water, or diesel)	137	6	✓	Light blue translucent
ATANK170	Waste water (fresh water, or diesel)	170	6,5	✓	Light blue translucent
ATANK215	Waste water (fresh water, or diesel)	215	6,5	✓	Light blue translucent
ATANK335	Waste water (fresh water, or diesel)	335	7	✓	Light blue translucent
ATANK390	Waste water (fresh water, or diesel)	390	7	✓	Light blue translucent

Dimensions: plus or minus 2%



Waste water systems

Rigid tanks for waste water

BTANKC series

Quick to install with connectors included

The BTANKC tanks are designed to simplify installation and save time. They're made from odour-proof, translucent high-quality polyethylene, so you can check the fluid level from the outside. All models (except the 25 L version) come pre-formed with a blind hole standard SAE pattern for a level sensor. Each tank includes connectors, inspection lid, and securing straps. The inlet fitting (type RT..B) should be ordered separately. All connections are made at the top to avoid leaks.

Specifications

- Available in 25, 40, 60, and 80 L
- Odour-proof translucent high-quality polyethylene
- Thick walled, 7mm, resists pressure and deformation
- Quick setup: Connectors and securing straps included
- Easy installation level sensor: Blind holes SAE pattern pre-moulded (except 25 L model)
- Clear monitoring: Translucent wall shows fluid level
- Complies with the ISO 8099 standard

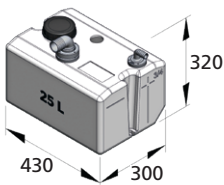
Type	Suitable for	Capacity (L)	Pressure max. (bar)	Connections Breather Ø (mm)	Connections Suction Ø (mm)	SAE flange ready	Colour
BTANK25C	Waste water	25	0,3	Rotating 19	Rotating 38	No	Light grey translucent
BTANK40C	Waste water	40	0,3	Fixed 19	Rotating 38	Yes	Light grey translucent
BTANK60C	Waste water	60	0,3	Fixed 19	Rotating 38	Yes	Light grey translucent
BTANK80C	Waste water	80	0,3	Fixed 19	Rotating 38	Yes	Light grey translucent



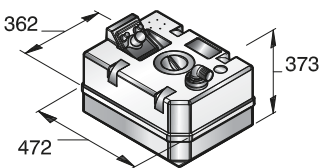
BTANK25C



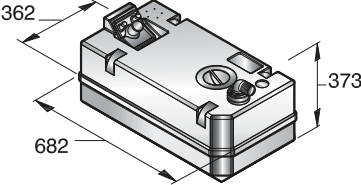
BTANK80C



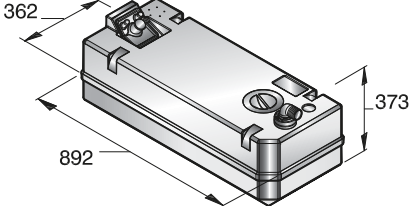
25 L



40 L



60 L



80 L

Dimensions: plus or minus 2%.
Height dimensions includes connectors



Rigid tanks for waste water

WW series

Bulkhead mounted tank

The WW tanks are made to be wall-mounted under the side decks, above the waterline. Their translucent construction lets you see the level at a glance. These tanks can be emptied without a pump thanks to the gravity discharge setup. All versions come with inspection cover, hose connectors and an opening for the inlet fitting (RT..B sold separately).

Specifications

- Available in 25 (vertical and horizontal), 60 and 80 L
- Odour-proof translucent high-quality polyethylene
- Mountable on bulkhead above waterline
- No pump needed: Gravity discharge via angled hose connection
- Fast setup: Pre-fitted hose connectors and inspection lid
- Ventilation ready: Includes angled vent connector
- Complies with the ISO 8099 standard

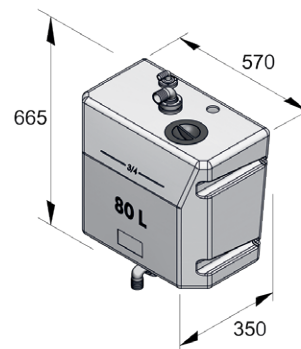
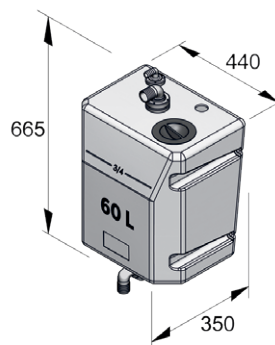
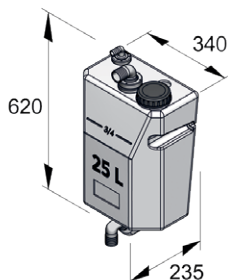
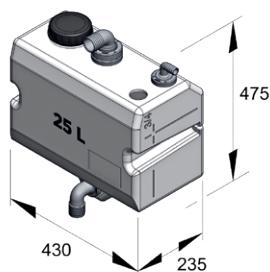
Type	Capacity (L)	Pressure max. (bar)	Wall thickness (mm)	Connections Breather Ø (mm)	Connections Suction Ø (mm)	Connection discharge Ø (mm)	Colour
WW25WH	25	0,3	6	Angled, rotating 19	Angled, rotating 38	Angled, rotating 38	Light grey translucent
WW25W	25	0,3	6	Angled, rotating 19	Angled, rotating 38	Angled, rotating 38	Light grey translucent
WW60W	60	0,3	6	Angled, rotating 19	Angled, rotating 38	Angled, rotating 38	Light grey translucent
WW80W	80	0,3	6	Angled, rotating 19	Angled, rotating 38	Angled, rotating 38	Light grey translucent



WW25WH



WW..W



Dimensions: plus or minus 2%
Height dimensions includes connectors



Waste water systems

Rigid tanks for waste water

WWS series

Complete system with pump and sensor

The WWS tanks are fully equipped units designed for waste water (black water and grey water). These translucent tanks come complete with an EMP140 pump, level sensor, inspection cover, and fittings. Only the level gauge and inlet fitting need to be ordered separately. All connections are located at the top to avoid leaks. All versions come with an opening for the inlet fitting (RT..B sold separately). The tank can be emptied using the pump or from the shore via the extraction pipe.

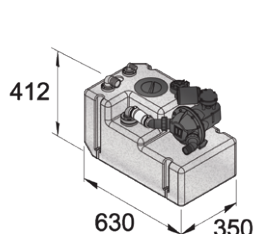
Specifications

- Available in 42, 61, 88, and 120 L
- Includes 12 V or 24 V waste water pump
- Odour-proof translucent high-quality polyethylene
- Ready-to-use: All major components pre-installed
- Easy to maintain: Top-mounted access and connections
- Complies with the ISO 8099 standard

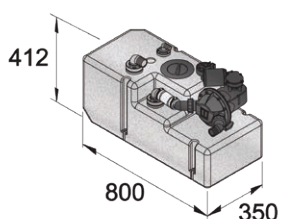


Type	Capacity (L)	Pressure max. (bar)	Wall thickness (mm)	Connections breather Ø (mm)	Connections suction Ø (mm)	Connections pump (mm)	Colour
WWS4212B	42	0,3	6,5	Angled, rotating 19	Angled, rotating 38	Angled, rotating 38	Light grey translucent
WWS4224B	42	0,3	6,5	Angled, rotating 19	Angled, rotating 38	Angled, rotating 38	Light grey translucent
WWS6112B	61	0,3	6,5	Angled, rotating 19	Angled, rotating 38	Angled, rotating 38	Light grey translucent
WWS6124B	61	0,3	6,5	Angled, rotating 19	Angled, rotating 38	Angled, rotating 38	Light grey translucent
WWS8812B	88	0,3	6,5	Angled, rotating 19	Angled, rotating 38	Angled, rotating 38	Light grey translucent
WWS8824B	88	0,3	6,5	Angled, rotating 19	Angled, rotating 38	Angled, rotating 38	Light grey translucent
WWS12012B	120	0,3	6,5	Angled, rotating 19	Angled, rotating 38	Angled, rotating 38	Light grey translucent
WWS12024B	120	0,3	6,5	Angled, rotating 19	Angled, rotating 38	Angled, rotating 38	Light grey translucent

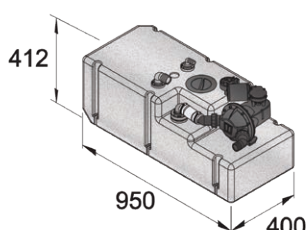
Type	Pump Voltage (VDC)	Pump Current (A)	Capacity, at 0 m head (L/min)	Max. suction height (m)	Max. head (m)	Weight (kg)
WWS4212B	12	6	27	3	5	12,5
WWS4224B	24	4	27	3	5	12,5
WWS6112B	12	6	27	3	5	14
WWS6124B	24	4	27	3	5	14
WWS8812B	12	6	27	3	5	16
WWS8824B	24	4	27	3	5	16
WWS12012B	12	6	27	3	5	18
WWS12024B	24	4	27	3	5	18



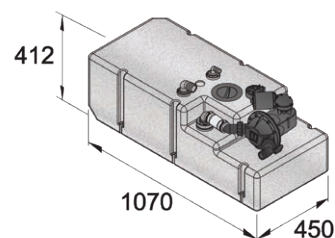
42 L



61 L



88 L



120 L

Height dimensions includes connectors



Rigid tanks for waste water

Rigid all-purpose tanks for waste water - APT series

Waste water, fresh water or diesel: this tank can handle it

The APT tanks are designed to store waste water, fresh water and diesel fuel. They are made from odour-proof, high-quality polyethylene with an antibacterial additive. All tanks come with a large inspection lid and are prepared for the ILTCONW connection kit. A 38 mm hose connection at the bottom can be drilled open for interconnection or drainage.

Specifications

- Available in 50, 75, 100, 150, 200, and 275 L
- Made from high-quality polyethylene with an antibacterial additive
- Suitable for waste water, fresh water or diesel fuel
- Large inspection lid (suitable diameter +/- 130 mm) to meet ISO 21487 (fuel tank standard)
- Ø 38 mm bottom hose connection (can be drilled open if needed) for interconnection purpose or draining
- Ready for ILTCONW connection kit
- Easy to clean and inspect thanks to a wide access lid
- Strong and durable for long-term marine use due to design and wall thickness
- Clear identification: Supplied with labels for all contents



APT

Type	Tank capacity (L)	Tank pressure max. (bar)	Wall thickness (mm)	Connection (mm)	Colour
APT050	50	0,3	8	Ø 38 mm bottom outlet*, ILTCONW-ready	Light blue translucent
APT075	75	0,3	8	Ø 38 mm bottom outlet*, ILTCONW-ready	Light blue translucent
APT100	100	0,3	8	Ø 38 mm bottom outlet*, ILTCONW-ready	Light blue translucent
APT150	150	0,3	8	Ø 38 mm bottom outlet*, ILTCONW-ready	Light blue translucent
APT200	200	0,3	8	Ø 38 mm bottom outlet*, ILTCONW-ready	Light blue translucent
APT275	275	0,3	8	Ø 38 mm bottom outlet*, ILTCONW-ready	Light blue translucent

* can be drilled open if needed.

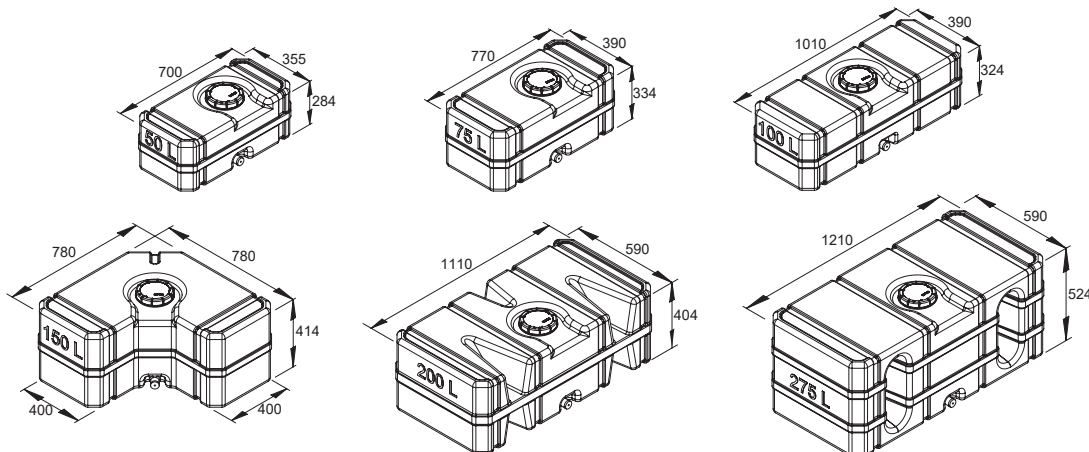
Recommended accessory - VTSTRAP lashing straps & WRILT lid opener

For secure installation of your APT tank, we recommend adding the VTSTRAP lashing strap set. A set includes two straps, each measuring 3 m long and 25 mm wide.

For easy and hassle-free lid handling, we recommend the WRILT opener (see page 212).



ILTCONW (Waste water)



Dimensions: plus or minus 2%

Waste water systems

Flexible tanks for toilet and waste water

VETUS flexible tank type TANKV

These flexible tanks are ideal for short-term storage of waste water. They are light weight, easy to install and perfect for boats with limited space.

These flexible tanks are constructed in the same robust way as the flexible fresh water tanks (see page 181). However, the material used is suitable to store waste water. These tanks should be pumped and flushed after a day's boating. Available in several dimensions and capacities.

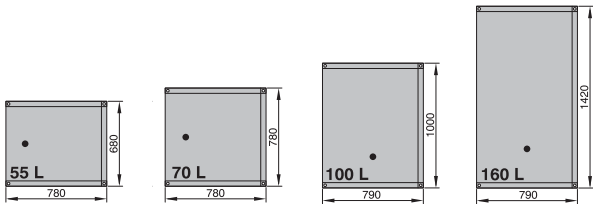
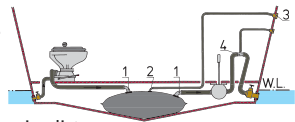
A repair kit is available (REPSETOT).

Type	Capacity (appr.) (L)	Dimensions (appr.) (mm)	Height filled (appr.) (mm)
TANKV55	55	680 x 780	250
TANKV70	70	780 x 780	270
TANKV100	100	790 x 1000	270
TANKV160	160	790 x 1420	270



TANKV

1. Two angled hose connectors Ø 38 mm (supplied with each tank)
2. Angled breather nipple Ø 16 mm, already fitted
3. Breather nipple Ø 16 mm (not included)
4. Air vent for anti-siphoning, see page 127. When discharge of the tank through a deck plate is required, a Ø 38 mm tank connector type FT38B is available as an option, see the price-list



No-smell filters

Filter types NSF and NSFS

Fresh air without the odours

Allowing fresh air into a waste tank reduces anaerobic growth and the build up of gas. However, unpleasant odours can also escape through this air breather line. This can be prevented by the installation of a VETUS no-smell filter. The no-smell filter is easy to install and contains activated carbon material to absorb odours. Add the VETUS waste water breather hose made of reinforced PVC for a proper operating system.

Please note: The filter element is replaceable and should be renewed once a year.

A new filter element is available, but we recommend choosing the pre-filled canisters from the NFSCAN series. These canisters not only absorb odours, but also effectively capture moisture, see next page.

Type	Description	L x W x H (mm)	Hose Ø (mm)
NSF16S	Small no-smell filter	107 x 111 x 111	16
NSF16	Large no-smell filter	148 x 150 x 162	16
NSF19	Large no-smell filter	148 x 150 x 162	19
NSF25	Large no-smell filter	148 x 150 x 162	25
NSF38	Large no-smell filter	148 x 150 x 162	38
NSF16FES	Spare filter element for small no-smell filters		
NSF16FE	Spare filter element for large no-smell filters		



NSF



NSFS



No-smell filters

Advanced cartridges for no-smell filters - NSFCAN series

Dual-function canisters for continued odour control

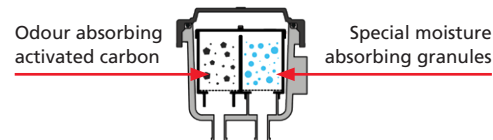
The NSFCAN and NSFCANS cartridges are designed to be used as replacement inserts for VETUS no-smell filters. These canisters contain a measured amount of activated carbon combined with special moisture-absorbing gel granules. This unique dual function ensures the filter continues to perform efficiently, even in humid environments where regular carbon filters would lose effectiveness.

Specifications

- Pre-filled with activated carbon and gel granules
- Fits inside existing VETUS no-smell filters
- Moisture-resistant: Gel granules eliminate humidity that deactivates carbon
- Easy to visual check for replacement

Compatibility

- NSFCAN fits filter type NSF
- NSFCANS fits compact filter type NSF16S



NSFCAN

NSFCANS

Note: Advanced filter elements should be renewed once a year for optimal filter performance.

Type	Suitable for filter type	Function	Housing type
NSFCAN	NSF16, NSF19, NSF25, NSF38	Odour absorption + moisture control	Large
NSFCANS	NSF16S	Odour absorption + moisture control	Small

Mounting bracket type MBSET

A mounting bracket set designed for securing various components, such as odours filters. These brackets are suitable for use with sound insulations materials up to 40mm thick. The set includes bolts, washers, and self-locking nuts to ensure a secure installation.

Type	Description
MBSET03	Mounting bracket set for FTR140, WS180, WS720, NSFS
MBSET05	Mounting bracket set for FTR330, FILTER150, NSF

See page 61 for more detailed information.

MBSET



Accessories for waste water tanks

TankFresh

Odour-free tank guaranteed

This VETUS product is an organic concentrate of bacteria which cause the faeces in the waste water system to break down without emitting any odour, unlike other chemical products that often only mask the smell. When using just one bottle of TankFresh periodically, your waste water system can function virtually without odour for an entire boating season.

Specifications

- Comes in a convenient 500 ml dosage bottle
- Consists of nature's own ingredients only
- Proven reduction of odours in the tank

Type	Description
TFRESH05	500 ml bottle

TFRESH



Waste water systems

Accessories for waste water tanks

Vacuum operated vent valve type VRF

Indispensable safety factor

To prevent the possibility of insufficient air entering through the vent line during pump out operations causing the tank to implode, VETUS has developed a valve according to the ISO 8099 standard. In case of significantly reduced pressure in the holding tanks, the valve will open automatically to let air into the tank. By using this valve, fitting of a large diameter vent line is no longer necessary. The valve is made from synthetic materials and therefore absolutely corrosion-free. Hole size in the tank is 56 mm.



VRF56A

Type	Description
VRF56A	Vacuum valve for waste water tank, requires Ø 56 mm hole

Ultrasonic level sensors

Accurate, contactless tank monitoring

The VETUS SENSORA and SENSORB are advanced ultrasonic level sensors designed to monitor tank contents without any moving parts or direct contact with the liquid. These sensors can be used in waste water (black and grey water), fresh water, diesel fuel, or petrol tanks of almost any shape and size - up to 120 cm deep. Max. tank capacity 5000 L. Perfect for modern boats and yachts, they offer easy installation and high reliability. Once installed, the sensor can be calibrated on the spot using a built-in LED and wire. No extra tools are needed.



SENSORA

SENSORB

Specifications

SENSORA - Analogue output sensor

- Contactless ultrasonic measurement for high reliability
- Compatible with all VETUS analogue tank level gauges and WWCP panel
- Easy onboard calibration with LED and a calibration wire
- Ideal for black, grey, fresh water, petrol, and diesel fuel tanks
- Not suitable for use with metal tanks

Specifications

SENSORB - CANbus sensor

- Uses RS485 bus interface (CANbus type)
- Designed for integration with digital VETUS display SENSORD
- Contactless, reliable, and easy to calibrate
- Ideal for high-end digital installations
- Not suitable for use with metal tanks

By using an RS485 user interface, data can be transmitted over long distances without signal loss, there is a higher degree of noise immunity, and support for eight sensors connected to one SENSORD panel.

Feature	SENSORA	SENSORB
Output interface	Analogue	RS485 Bus (CANbus)
Voltage	12 / 24 VDC	12 / 24 VDC
Current consumption	35 mA	35 mA
Max. tank depth	120 cm	120 cm
Accuracy	±5%	±5%
Temperature range	-20 °C to +70 °C	-20 °C to +70 °C
Mounting flange	SAE, 5-hole	SAE, 5-hole
Dimensions	Ø 77 mm x 23 mm	Ø 77 mm x 23 mm
Compatibility	Analogue gauges, WWCP panel	SENSORD digital display
Suitable for	Black/grey water, water, fuel tanks	Black/grey water, water, fuel tanks
Not suitable for	Metal tanks	Metal tanks



Accessories for waste water tanks

Waste water tank sensor type WWSENSORA

Easy measurement

Simple to fit, reliable waste water tank sensor. The arm length is adjustable between 200 mm and 412 mm.

Specifications

- Empty 300 Ω
- Full 0 Ω
- For 12 and 24 VDC

Type	Description	Voltage (DC)
WWSENSORA	Waste water sensor	12/24

WWSENSORA



Waste water control panel type WWCP

Integrated tank level monitoring

This easy-to-use control panel with security lock can be used manually or automatically to control the full tank pump-out and manage the complete waste water system. The WWCP panel is connected to a VETUS level sensor (type WWSENSORA or SENSORA) and indicates the content level in the tank using LED's, it will ignore brief maximum level peaks caused by boat movements.

A motorised ball valve can also be connected to the panel. In either manual or automatic mode, the valve will open before the pump starts. Once the tank is empty, the pump will switch off and the valve will close automatically. A switched outlet on the panel, connected to a relay in the toilet power supply, makes it possible to prevent the toilet(s) from being flushed if the tank is full.

Specifications

- Panel dimensions 85 x 85 mm
- Build-in depth 40 mm
- Suitable for 12 or 24 VDC
- Usage in stand-by mode 4 mA, electric pump 10 A max, remotely controlled ball valve 5 A max and external alarm 1 A max.
- Valve and level sensor are not included

WWCP



Feature	Specification
Panel Dimensions	85 x 85 mm
Built-in Depth	40 mm
Voltage	12 / 24 VDC
Stand-by Current	4 mA
Max Current - Electric Pump	10 A
Max Current - Motorised Valve	5 A
Max Current - External Alarm	1 A
Control Modes	Manual or automatic
Level Indication	LED indicator (ignores short spikes due to motion)
Additional Features	Lock function, full-tank toilet block option
Compatible Sensors	SENSORA, WWSENSORA (not included)
Compatible Valves	Motorised ball valve (not included)
Application	Black and grey water tank systems



Waste water systems

Accessories for waste water tanks

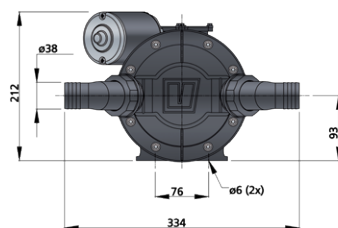
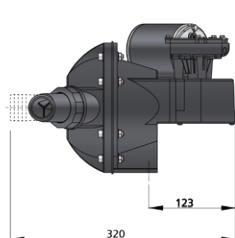
Waste water pump - EMP140

High-capacity diaphragm pump with rotatable connectors

The EMP140 is a robust and quiet diaphragm pump designed for waste water (black water and grey water) applications. It features rotatable hose connectors, which greatly reduce installation time and offer flexibility in tight spaces. The pump is self-priming and fitted with internal duck-bill valves for reliable non-return flow control.

Specifications

- Self-priming diaphragm pump with internal duck-bill valves
- Capacity: 27 L/min
- Rotatable hose connectors (38 mm) for easy installation
- Quiet operation and low maintenance



EMP140

Type	Voltage (VDC)	Current (A)	Connection (mm)	Weight (kg)	Capacity, at 0 m head (L/min)	Max. suction height (m)	Max. head (m)
EMP14012B	12	6	Angled, rotating Ø38	7	27	3	5
EMP14024B	24	4	Angled, rotating Ø38	7	27	3	5

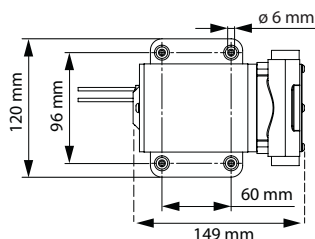
General purpose self-priming pump - EIP12

Compact utility pump for bilge or deck wash

The EIP12 is a lightweight and compact self-priming electric pump designed for general use on board, such as bilge pumping or deck washing.

Specifications

- Self-priming
- Compact design
- 12 V DC only



EIP12

Type	Suitable for	Voltage (DC)	Max pressure (bar)	Capacity (L/min)	Suction head (m)	Connection type	Weight (kg)
EIP12	Bilge water / deck wash	12	1	30	1	G1/2 internal thread	2,48



Accessories for waste water tanks

Angled fittings

Synthetic fittings for VETUS flexible tanks (type FT) or rigid tanks (type RT). Suitable for hoses with an internal diameter of Ø 13, 16, 19, 25 or 38 mm. The required hole size for flexible tank is Ø 42 mm and for rigid tanks Ø 43 mm.



Type	Hose Ø (mm)	Angle
RT13B	13	right angle
RT16B	16	right angle
RT19B	19	right angle
RT25B	25	right angle
RT38B	38	right angle



Type	Hose Ø (mm)	Angle
FT13B	13	right angle
FT16B	16	right angle
FT19B	19	right angle
FT25B	25	right angle
FT38B	38	right angle

Anti-siphoning air vent

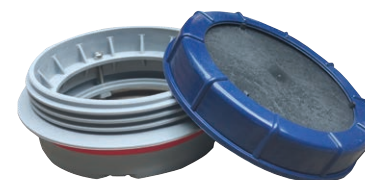
For more information and available types see page 127.



Universal inspection port for waste water tanks ILT120PL / ILT120PH

Easy access for cleaning and inspection

These innovative VETUS inspection ports are designed for easy access to your waste water tank. With a reliable clamp-and-seal design, they ensure a watertight fit and can be installed on both thin- and thick-walled tanks. The ILT120PL is suitable for tank walls up to 4 mm. The ILT120PH handles wall thicknesses from 4 to 10 mm, ideal for VETUS ATANK models. Both versions feature a modular design, allowing additional connection kits (such as ILTCONW) to be added for a complete waste water system upgrade.



Specifications

- Universal inspection port for waste water tanks
- Watertight "clamp and seal" design using silicone gasket
- Suitable for synthetic, G.R.P., or metal tanks
- Quick and simple installation using the VETUS hole saw (VSAW159)

- Compatible with ILTCONW connection kit for tank up-grades
- Robust construction with counter flange and five-bolt locking system

Specification	ILT120PL	ILT120PH
Suitable wall thickness	0,8 - 4 mm	4 - 10 mm
Suitable diameter	120 mm	120 mm
Required hole diameter	159 mm	159 mm
Material	Synthetic, corrosion-proof	Synthetic, corrosion-proof
Compatible with ILTCONW	Yes	Yes
Application	Waste water, fresh water tanks	Waste water, fresh water tanks



Waste water systems

Accessories for waste water tanks

ILTCONW - Waste water connection kit

All-in-one upgrade for your tank inspection port

The VETUS ILTCONW is a complete waste water connection kit that transforms your ILT inspection port (ILT120PL or ILT120PH) into a fully functional connection hub. It includes multiple inlet, discharge, and ventilation ports - all integrated into a single interchangeable disc.

Specifications

- Turns ILT120 inspection ports into a full connection hub
- Includes:
 - Ø 38 mm straight discharge connection (convertible to extraction pipe using a standard Ø 40 mm PVC pipe)
 - Ø 38 mm inlet connection
 - Ø 25 mm inlet connection
 - Ø 19 mm inlet connection
 - Ø 19 mm ventilation port
 - Includes blind plugs to seal unused ports
- SAE 5-hole pattern for level sensor (SENSORA/SENSORB)
- Made from corrosion-resistant materials
- Optional a 38 mm connection elbow 90 degrees (ILTCON90) is available



ILTCONW

Specification	ILTCONW
Compatible with	ILT120PL / ILT120PH
Application	Waste water tanks

ILTCON90 - 90° elbow adapter

- 90-degree Ø 38 mm connection for ILTCONW
- Ideal for tight spaces



ILTCON90

VSAW159 - Ø 159 mm hole saw

- Hole saw for creating the perfect tank opening
- Suitable for synthetic, G.R.P., or metal tanks
- Highly recommended for accurate installation of the ILT120 serie



VSAW159

WRILT - ILT lid opener

- Ergonomic tool to easily open and close ILT120.. lids
- Easy opening and ensures tight resealing



WRILT

Type	Description
ILTCON90	Ø 38 mm elbow for ILTCONW
VSAW159	Ø 159 mm hole saw
WRILT	Lid opener tool for ILT120 series

Inspection lid type WTK02

For (waste) water tanks only!

Without counter flange.

Specifications

- Overall diameter Ø 156 mm
- Cut out diameter Ø 115 mm
- Not suitable for fuel tanks
- Ideal for metal tanks



WTK02

Type	Description
WTK02	Inspection lid only, for rigid water tanks



Accessories for waste water tanks

Installation kit type BTKIT

Consisting of one inspection lid with counter-flange and fastenings, two securing straps, and one wrench for angled fittings.

Specifications

- Overall diameter Ø 156 mm
- Cut out diameter Ø 115 mm

Type	Description
BTKIT	Fitting kit for waste water tanks



WTS - Extraction pipes for rigid waste water tanks

The WTS extraction pipes are designed for reliable waste water removal from rigid tanks. Whether connected to an electric or manual diaphragm pump, or directly to a deck plate, these pipes ensure smooth waste discharge.

Specifications

- Designed for black and grey water extraction
- 780 mm long and can be shortened to fit your tank
- Available with straight or right-angle hose connectors

Type	Length (mm)	Hose Ø (mm)	Angle
WTS78038S	780	38	straight
WTS78038B	780	38	angled



Lockable ball valve type BV1½

This stainless steel (AISI 316) ball valve with G1½ thread is in some countries a legal requirement to prevent the accidental discharge of black water in port. This valve can be padlocked (padlock itself is not supplied).

For more information and available types see page 430.

Type	Description
BV1½	Stainless steel (AISI 316) ball valve

BV1½



Waste water systems

Accessories for waste water tanks

Remotely controlled ball valves type MV

Simple manual override

These motorised stainless steel (AISI 316) valves with a powder coated aluminium actuator housing enable any skin fitting/through hull to be electrically opened or closed from a remote location. Also suitable for every type of fuel, ignition protected. The G-threading meets the requirements of ISO 228-1 and 9093-1. IP rating: IP67. The valves can be powered fully opened or closed in approximately 12 to 25 seconds. The powerful motors have a maximum torque of 40 or 220Nm.

Type	MV12A	MV24A	MV24B
Power supply range	11-14 V	18-28 V	20-28 V
Operating current @ max. torque	2.2 A ± 10% @ 13.8 VDC	1.2 A ± 10% @ 27.6 VDC	4.1 A ± 5% @ 27.6 VDC
Static current	50±5 mA	25±5 mA	60±5 mA
Opening and closing	✓	✓	✓
Max. operation Torque	40Nm	40Nm	220Nm
Manual over-ride tool	Hex Key	Hex Key	Wrench
Ambient temp. (Celsius)	-20° to +45°	-20° to +45°	-20° to +45°
ISO 8846 certified	Yes	Yes	Yes

Control panels*	MV12A	MV24A	MV24B
ELVPAN12	✓	-	-
ELVPAN24	-	✓	✓
WWCP (page 209)	✓	✓	✓

*Ordered separately



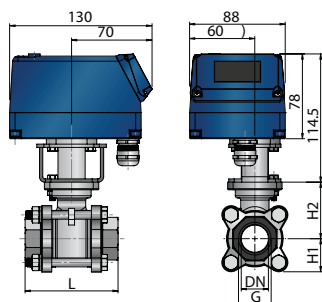
MV



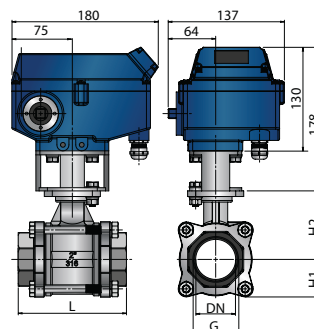
ELVPAN

(12 V)	Type (24 V)	G (ISO 228)	DN (mm)	H1 (mm)	H2 (mm)	L (mm)	Weight (kg)
MV12A1/2	MV24A1/2	1/2"	15	22.5	42	72	2.2
MV12A3/4	MV24A3/4	3/4"	20	22.5	48	80	2.4
MV12A1	MV24A1	1"	25	30	55	85	2.8
MV12A11/4	MV24A11/4	1 1/4"	32	36.5	60	105	3.4
MV12A11/2	MV24A11/2	1 1/2"	38	40	70	113	4.2
	MV24B2	2"	50	46.5	85	132	7.8

MV..A



MV..B





Accessories for waste water tanks

Waste water hose type WWHOSE..B

For transportation of grey waste water

This type of hose is made of white PVC with a steel spiral inlay. It is recommended for the transportation of grey waste water (not toilet waste).



WWHOSE..B

Type	Internal Ø (mm)	External Ø (mm)	Weight (kg/m)	Max. pressure (bar)	Bending radius (mm)	Roll length (m)	HCHDS clamp	HCS clamp
WWHOSE16B	16	22	0,23	6	35	30		HCS20
WWHOSE19B	19	26	0,32	5	50	30		HCS20
WWHOSE25B	25	33	0,53	5	60	30		HCS32
WWHOSE38B	38	47	0,80	4	90	30	HCHDS047	HCS40
WWHOSE45B	45	55	1,10	3	105	10	HCHDS055	HCS50

Impermeable sanitary no-smell hoses type SAHOSE

An absolute must for toilets

These hoses are made of SBR rubber with inlays of woven synthetic fabric and steel spiral. Recommended especially for transportation of biological waste from (marine) toilets (black water).



SAHOSE

Type	Internal Ø (mm)	External Ø (mm)	Weight (kg/m)	Max. pressure (bar)	Bending radius (mm)	Roll length (m)	HCHDS clamp	HCS clamp
SAHOSE16	16	26	0,45	3	50	20		HCS20
SAHOSE19	19	29	0,55	3	65	20		HCS25
SAHOSE25	25	36	0,72	3	75	20	HCHDS034	HCS32
SAHOSE38	38	48	1,15	3	100	20	HCHDS047	HCS40
SAHOSE51	51	62	1,51	3	125	20	HCHDS051	HCS50

For a complete overview of our range of hoses see page 466. HCHDS (heavy duty) and HCS clamps are made of stainless steel (AISI 316). For a complete overview of our range of hose clamps see page 440.

Synthetic hose adapters type HA

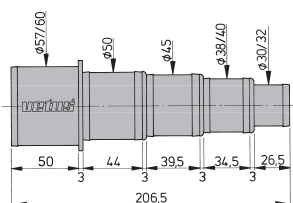
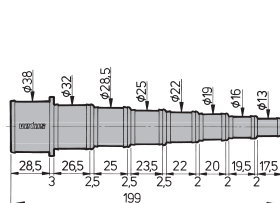
These synthetic hose adapters can be cut to the appropriate hose sizes.

Type	Ø Dim. (mm)
HA1338	13 - 38
HA3060	30 - 60



HA1338

HA3060



Waste water systems

Accessories for waste water tanks

The waste water connector line-up consists of a three-way valve, a Y-connector, a non-return valve and the additional hose connectors. These hose connectors are fully rotatable and are ordered separately to fit your existing hoses. Made entirely from high grade nylon, these products are strong and durable. With connectors variations from 19 mm up to 38 mm, it's plug-and-play on every boat.

This line-up allows you to professionally connect or expand your waste water system. With the three-way valve and the Y-connector you can have as many connections as you like, while the non return valve keeps contaminated water from flowing back. Hose connectors are sold per piece or 2 pack, so you can mix and match to your needs. The three-way valve can be padlocked in one position (e.g. when harbours want to ensure waste water is directed to the tank instead of discharged overboard). Both the three-way valve and the Y connector come equipped with a bracket for easy mounting on wall or floor.

Synthetic three-way valve

(without hose connections)

Max. pressure 1 bar. Rotatable hose connections should be ordered separately (five different sizes available).

Type	Description
Y3V	Synthetic three-way valve



Y3V

Synthetic Y-connector

(without hose connections)

Rotatable hose connections should be ordered separately (five different sizes available).

Type	Description
Y3C	Synthetic Y-connector



Y3C

Synthetic in-line non-return valve

(without hose connections)

Rotatable hose connections should be ordered separately (five different sizes available).

Type	Description
YNRE	Synthetic in-line non-return valve (duck bill)



YNRE

Synthetic hose connections for Y3V, Y3C and YNRE

Type	Description
YPA38P2	Hose connector 38 mm (2 pcs.)
YPA38P1	Hose connector 38 mm (1 pcs.)
YPA32P2	Hose connector 32 mm (2 pcs.)
YPA32P1	Hose connector 32 mm (1 pcs.)
YPA28P2	Hose connector 28 mm (2 pcs.)
YPA28P1	Hose connector 28 mm (1 pcs.)
YPA25P2	Hose connector 25 mm (2 pcs.)
YPA25P1	Hose connector 25 mm (1 pcs.)
YPA19P2	Hose connector 19 mm (2 pcs.)
YPA19P1	Hose connector 19 mm (1 pcs.)



YPA