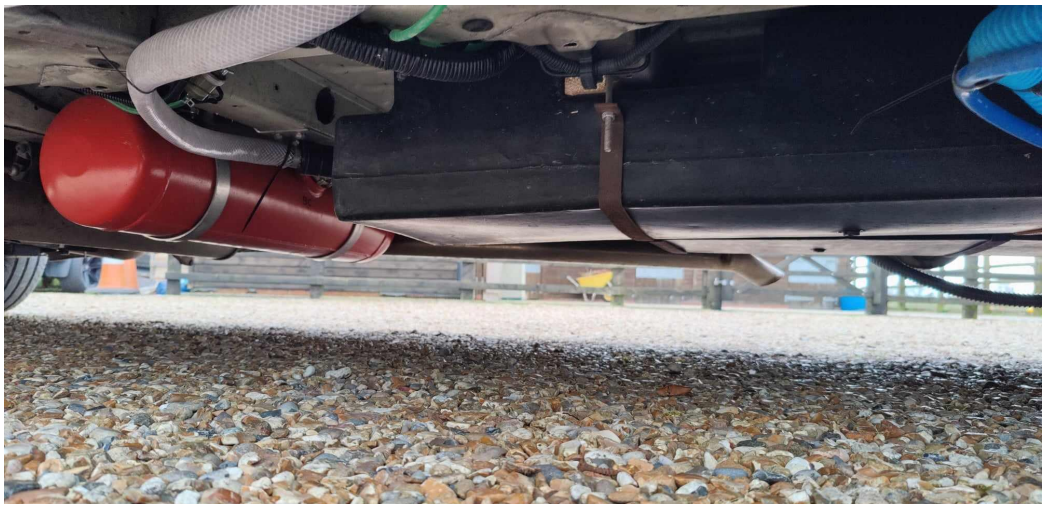
THE CAMPERVAN SHOP



INSTALLATION OF WATER & WASTE TANKS

Overview

All of our tanks have been purpose made for the Campervan industry. They provide a convenient and hygienic solution to supplying fresh water for your vehicle, or for storing waste water. The tank is manufactured from high quality polyethylene plastic which provides excellent underfloor durability and is algae and corrosive resistant. An access hatch is built into all tanks to allow you to fit additional components such as an inlet or water pump etc. and allow periodic cleaning.

Confirm Compatibility:

Before purchasing a tank, always measure to confirm the tank will fit where it is intended to go. Many vehicles are modified in some way from the manufacturers' standard that could prevent the standard tank from fitting. Although tanks may be marked Fresh or Waste, they can be used for both applications (with different fittings). Our tanks cannot be used for petrol or diesel.

IN ORDER TO ENSURE THE TANK YOU ORDER WILL FIT YOUR NEEDS WE RECOMMEND THE FOLLOWING:

1. Carefully measure the available space (length, width and height) whether it is under the chassis or in a bed box etc. where you plan to install your tank. Since these tanks are rectangular in shape, keep in mind they may be used in any position, though if placed up on edge, they will need bracing and support. Plan for additional space when fittings are required. Fittings in general protrude around 60mm (2.5 “)

2. Remember that most of our tanks are one piece sealed mouldings (with the exception of the 60L tank for VW T5/T6/T6.1). This means there are no predetermined holes, only one access hole.

THE CAMPERVAN SHOP

Custom-Made Vehicle Tank Sizes

Note, this list is not exhaustive - many of our customers use alternative Tanks to the compatibility model listed below.

COMPATIBILITY	TANK SIZE 1	TANK SIZE 2
CITROEN RELAY (2006-2019) L2 & L3 **FIAT DUCATO (2006-2019) L2 & L3** **PEUGEOT BOXER (2006-2019) L2 & L3**	75L Tank L: 1000 mm W: 300 mm D: 225 mm This tank fits widthways (driver to passenger side) across the van in the void between the two chassis members, directly behind the exhaust box. The service hatch will face upwards with the corner cut out going around the handbrake cable.	40L Tank L: 840 mm W: 370 mm D: 150 mm The tank is positioned on the chassis, using the chassis rail as its mounting point due to its shallow design.
CITROEN RELAY (2006-2019) L4 **FIAT DUCATO (2006-2019) L4** **PEUGEOT BOXER (2006-2019) L4**	75L Tank L: 1000 mm W: 300 mm D: 225 mm This tank fits widthways (driver to passenger side) across the van in the void between the two chassis members, directly behind the exhaust box. The service hatch will face upwards with the corner cut out going around the handbrake cable.	75L Tank L: 1000 mm W: 300 mm D: 225 mm The L4 allows for x2 75L tanks, providing there are no aftermarket modifications on your van. The second tank is placed in one of the open bays (unobstructed by the handbrake), facilitated by the presence of two chassis rails across the passenger side.
FIAT TALENTO (2016-2022) L1 & L2 **NISSAN NV300 (2014-2022) L1 & L2** **NISSAN PRIMASTAR (2001-2014) L1 & L2** **RENAULT TRAFIC (2001-2022) L1 & L2** **VAUXHALL VIVARO (2001-2019) L1 & L2**	24L Tank L: 690 mm W: 265 mm D: 140 mm **CUSTOM BRACKETS REQUIRED**	
FORD CUSTOM (2012-2022) L1 & L2	40L Tank L: 840 mm W: 370 mm D: 150 mm	

VW CRAFTER (2006-2018) **MERCEDES SPRINTER (2006 - 2016)**	58L Tank L: 1080 mm W: 300 mm D: 200 mm	
VW T5 / T5.1 **VW T6 / T6.1**	60L Tank L: 960mm W: 920mm D: 210mm Fits around the spare wheel at the rear of the chassis. **CUSTOM BRACKETS REQUIRED**	30L Tank L: 1400mm W: 230mm D: 160mm The 30L tank is located centrally within the van. The placement is determined by a cut-out in the middle of the van, with the exhaust serving as the reference point for positioning. **CUSTOM BRACKETS REQUIRED**

THE WATER TANK

Tank Components:

1. VENTS - 13mm Breather + Breather Pipe - to ensure the tank does not have any air pockets that cause issues with water flow
2. USING THE TANK - 13mm Fresh Water Outlet - connection of the tank to the vehicle water pump
3. FILLING THE TANK - 40mm Fresh Water Pipe Connector + 40mm Water Pipe + Filler Cap with 2 keys - for filling the vehicle with fresh water from an external hose pipe
4. DRAINING THE TANK - 19mm Drain Tap (optional) - to completely empty the vehicle tank of water
5. FIXING THE TANK - Universal Tank Strap - to secure the tank to the underside of the vehicle

NOTE: THE TANK IS INSTALLED WITH THE ACCESS CAP FACING DOWNWARDS

Prior to mounting the tank to the vehicle, the fresh water filler inlet, water outlet, and tank breather fittings need to be fitted into the tank.

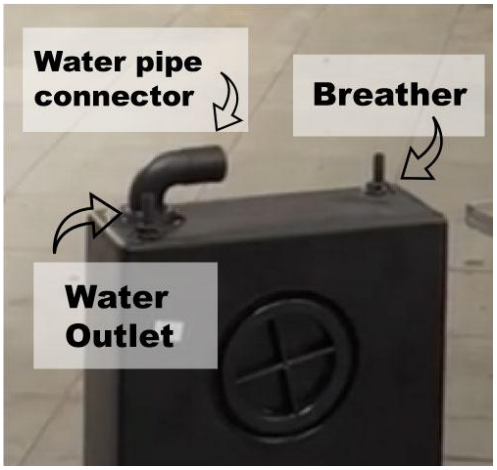
1. Breather: The breather, also known as the vent, needs to be installed as high as possible on the tank, either on top of the tank if there is enough space, or on the side. The breather serves two main functions: allowing air to escape from the tank while it's being filled with fresh water, and allowing air to enter the tank while water is being drained off. This prevents the creation of a vacuum inside the tank which can cause issues with water flow.

The breather should be positioned in a way that it's higher than the fill point, in order to prevent water from unintentionally coming out of the breather when the tank is filled. The breather pipe pushes onto this fitting. Run this so it won't get full of dirt, above the level of the filler inlet.

2. Water outlet: The 1/2 " outlet is fitted as low as possible on the tank. This connects to (1/2") fresh water hose, which is run up to the water pump. Regardless of the number of water components, only one outlet will run from the tank to the water pump. From the pump, you can tee off to multiple appliances such as an external shower point or hot and cold taps.

3. Filling the tank with freshwater through a locking filler cap in the side of the vehicle, generally fitted towards the back. The lockable filler cap comes with x2 keys and is available in black and white. If using this option, then a 40mm elbow for the water inlet filler is installed high up on the side of the tank. The 40mm water pipe will push-connect onto this inlet. The other end of the 40mm filler pipe from the 40mm elbow in the tank is run directly to the locking filler cap.

Optional Drain Tap : The 19mm drain tap can be fitted to the lowest point of the tank to allow for complete drainage. Alternatively, to drain the tank, run the tap until the water has completely emptied. It is important to completely empty the tank if the water system is not in use for long periods, or where the van is not in use in cold climates.



IMPORTANT: TANK IS INSTALLED WITH THE ACCESS DOOR FACING DOWNWARDS

THE TANK LEVEL GAUGE

Installing a water gauge or level indicator on your underslung water tank allows you to monitor how much water you have left in your waste and water tank, and plan your usage accordingly. Our CBE tank level gauge will allow you to monitor both your waste tank, and water tank levels on one screen.

For fresh water levels, you get a probe which gives you 4 readings – Empty – ⅓ – ⅔, and full. For wastewater, 2 studs fit into the side of the waste tank, which are then wired to the inside of the van control panel, alerting you when the tank is full and empty (the gauge comes complete with fitting instructions).

Insulate the tank:

Prior to fitting, it is recommended that you insulate the water tank using a product such as our 7mm, self-adhesive Thermoliner. This will help to:

- **Prevent water from freezing in cold weather**. Frozen water can not only leave you without a usable water supply, but it can also damage your tank and pipes as water expands when it freezes.
- **Maintain Temperature:** If you store hot water in your tank, insulation can help maintain the water's temperature for a longer period.
- **Reduce Condensation:** Insulation can also help reduce condensation on the outside of the tank, which can be beneficial in preventing dampness and potential related issues in your van.

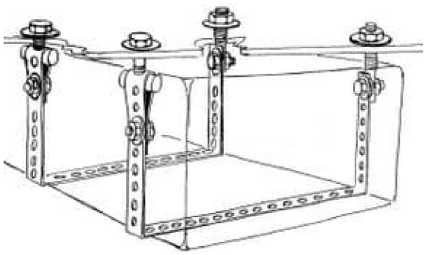
Note: always drain tank when not in use.

Mount the tank:

24L Vivaro Brackets Fitting Instructions - click here

60L VW Brackets Fitting Instructions - click here

Universal Tank Fitting Instructions Below:



Once the tank fittings have been installed, the tank can be mounted using the 4.5m long universal tank strap. Ensure that the access cap is facing downwards. Hold the tank in position, and cut the tank strap to required lengths, so that the straps cradle the tank. The tension of the strap can be adjusted with the screws or nuts on the screw eye. Make sure that the strap is not too tight.

THE WASTE TANK

NOTE: THE TANK IS INSTALLED WITH THE ACCESS CAP FACING DOWNWARDS

Tank Components:

1. **Waste Pipe Connector + 19mm Waste Pipe -** connects the vehicle waste water to the tank
2. **13mm Breather + Breather Pipe** - to ensure the tank does not have any air pockets that cause issues with water flow
3. **19mm Drain Tap -** to completely empty the vehicle tank
4. **Universal Tank Strap -** secure the tank to the underside of the vehicle

Prior to mounting the tank to the vehicle, the 19mm elbow waste water inlet, drain tap, and tank breather fittings need to be fitted into the tank.

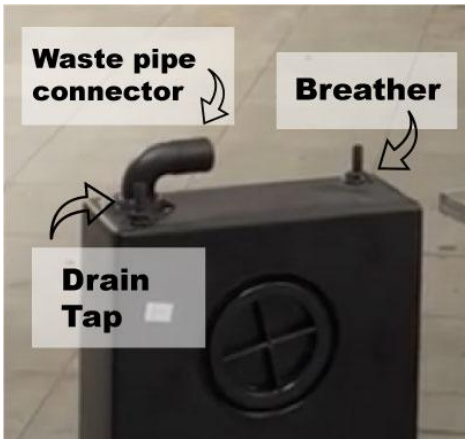
1. Waste Pipe Connector: The tank comes with a 19mm elbow to connect the vans main wastewater feed. This needs to be installed high up on the side of the tank. The ¾ (19mm) filler pipe will push-connect onto this fitting. Seal with a 14-22mm jubilee clip. Use 25mm P-Clips to keep the pipe tight in position, and run to the vans main waste water outlet (regardless of the number of waste connections, only one pipe will run from the waste outlets to the tank. Straight, Y-pieces and T-connectors can be used to join multiple waste pipes. All of our waste waste outlet components, such as the Cleo Tip-Up Sink and C223 CS Shower Tray etc are supplied with 19mm waste outlets.)

2. Breather: The breather, also known as the vent, needs to be installed as high as possible on the tank, either on top of the tank if there is enough space, or on the side. The breather serves two main functions: allows air to escape from the tank while it's being filled with wastewater, and

allows air to enter the tank while water is being drained off. This prevents the creation of a vacuum inside the tank which can cause issues with water flow.

The breather should be positioned in a way that it's higher than the fill point, in order to prevent water from unintentionally coming out of the breather when the tank is filled. The breather pipe pushes onto this fitting. Run this so it won't get full of dirt, above the level of the filler inlet.

3. Drain Tap: The 19mm drain tap is fitted at the lowest point of the tank to allow for complete drainage. The drain is important as it allows you to completely empty the tank for cleaning purposes. Remember to drain the tank completely if not in use for long periods, or where the van is not in use in cold climates.

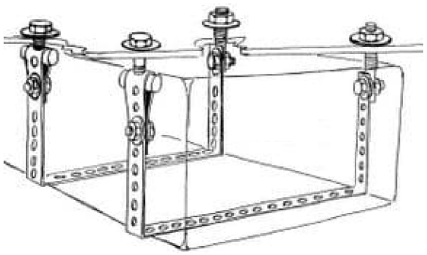


Mount the tank:

24L Vivaro Brackets Fitting Instructions - click here

60L VW Brackets Fitting Instructions - click here

Universal Tank Fitting Instructions Below:



Once the tank fittings have been installed, the tank can be mounted using the 4.5m long universal tank strap. Ensure that the access cap is facing downwards. Hold the tank in position, and cut the tank strap to required lengths, so that the straps cradle the tank. The tension of the strap can be adjusted with the screws or nuts on the screw eye. Make sure that the strap is not too tight.