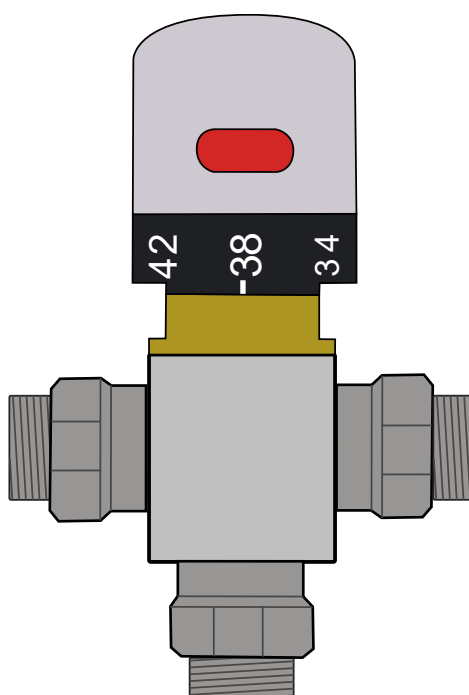


BOBIL VANS THERMOSTATIC MIXER VALVE

INSTALLATION INSTRUCTIONS





Important Safety Instructions! Please save these instructions!

This manual contains important safety, installation, and operating instructions for the Bobil Thermostatic Mixer.

The manufacturer accepts no liability for damage by:

- Incorrect assembly.
- Damage resulting from mechanical influences or excess voltage.
- Modification or tampering with the unit without expressed permission from the manufacturer.
- Used for purposes other than described in this manual.

General safety

- Firmly secure all cables and hoses.
- In the event of product failure, do not attempt to repair the water heater. Inadequate repairs may cause serious injury.
- Electrical devices are not toys - keep away from children.
- Disconnect the product from the battery and mains power each time before cleaning or maintaining the heater.
- This product is for 12V battery banks and 230V AC circuits only. Make sure your voltage specification is within the input voltage range expressed.
- Install and store the product in a dry and cool place.
- Keep electronics away from liquids!
- Do not use the product if physically damaged or with visibly perished hoses.

Installation

- Ensure secure location where it cannot tip or fall.
- If necessary, verify installation with a qualified electrician or installer.
- Do not use a water pump with a pressure exceeding 20psi.
- Lay cables so they cannot be damaged or be a tripping hazard.
- Do not operate in salty, wet, or damp environments; in the vicinity of corrosive fumes; in the vicinity of combustible material; in areas with risks of explosions.
- Ensure proper cable sizing for currents generated.
- Over-current protection devices should be on the positive line.

Thank you for buying our products!

Small businesses like ours only exist because of the support of our customers. We appreciate you purchasing from us, and hope that you have a great experience.

If you have any installation questions or queries then just get in touch, we're here to help.
Contact us at info@bobilvans.co.uk or on the phone at +44 1275 261074

What comes in the box?

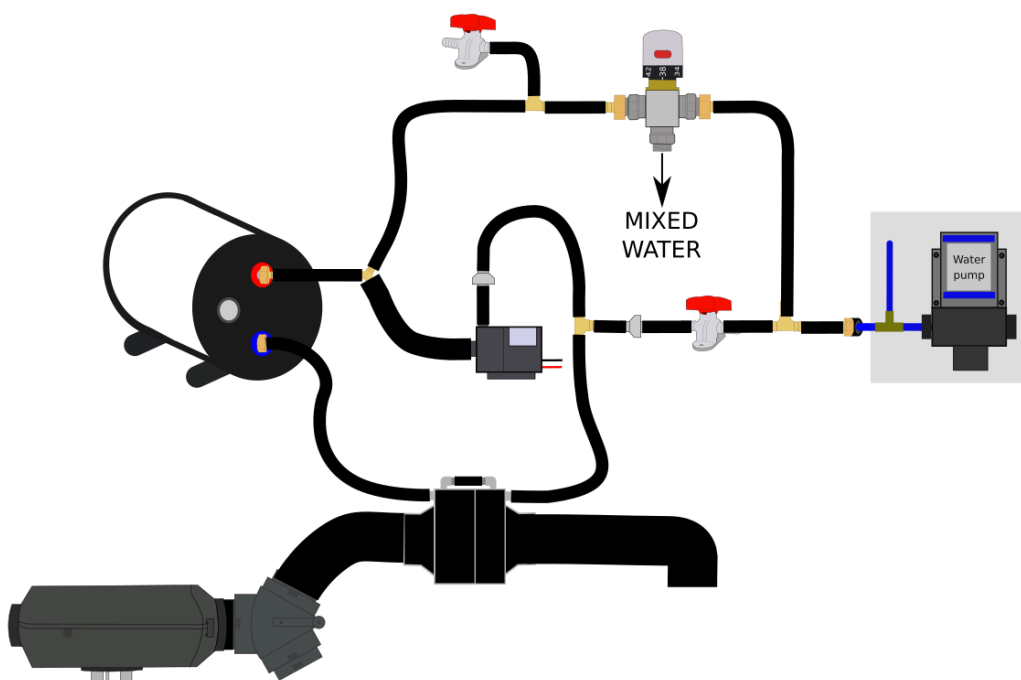
1. Thermostatic mixer	5. 8 x 13.2mm hose clamps*
2. Mounting plate and cable tie	6. 2 x ½" BSP x 10mm barbed fitting & washer*
3. Plastic drain valve*	7. 1 metre 8mm silicone hose**
4. 2 x 10mm brass tee*	

*Only in the box if you ordered the 'hybrid adaptor addon' to the thermostatic mixer.

**If you ordered this kit with a hybrid kit, the hose will be shipped as continuous length with the hybrid kit.

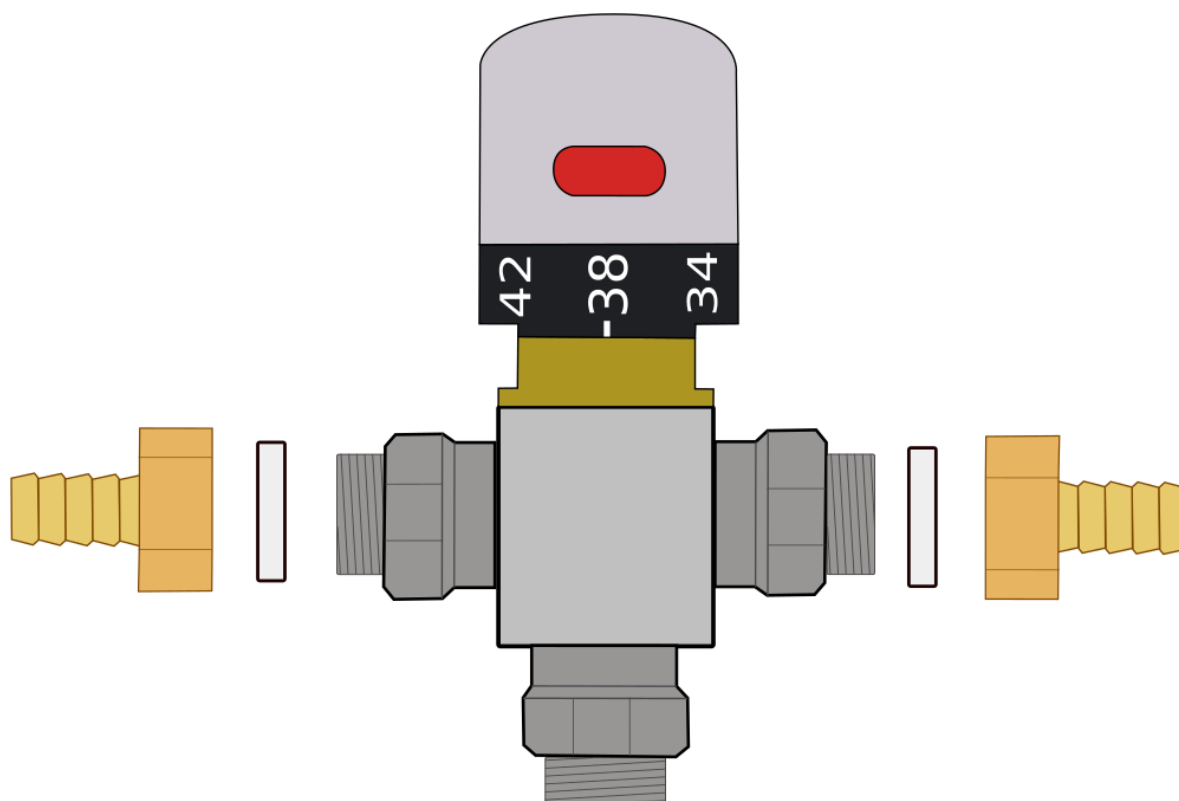
The Bobil thermostatic mixer valve kit allows you to easily add a thermostatic mixer to the Bobil Air Hybrid. The mixer accepts a hot and cold feed and blends it to a constant temperature, ensuring that you won't have scalding hot water at the tap- ideal when you have young children who may be using the van.

To insert it into the hybrid system, follow the diagram below.



There is an extra drain valve at the hot inlet to the thermostatic mixer. This ordinarily remained closed, but if you wish to drain the main tank, then you open this valve. This allows air back into the tank when draining the tank, else there will be an airlock and the tank won't drain properly.

When assembling the thermostatic mixer, remember to use the supplied washers on the barbed fittings before screwing them onto the mixer.



The bottom thread is for your outlet plumbing, so you can screw your fittings directly onto this thread, or you could use a length of hose directly from the barbed fitting. Note that if you want to use a barbed fitting on the output, you should have a spare fitting from the original hybrid kit which can be used here.

The thermostatic mixer is fixed to the mounting plate with a cable tie through the holes in the plate. Ensure this is tight before using the thermostatic mixer.

If you have a Bobil Electric and are using 12mm plumbing, you can discard the barbed fittings and screw the 12mm fittings directly onto the mixing valve.