



Service Kit Part Number AK1228 Replacement Vacuum Relief Kit for Water Heaters & Expanse

INSTALLATION & USER INSTRUCTIONS

Thank you for purchasing this Whale® product.

For over 70 years Whale has led the way in the design and manufacture of water and waste systems including:- plumbing, faucets, showers, pumps and heating for low voltage applications. The company and its products have built a reputation for quality, reliability and innovation backed up by excellent customer service.

For information on our full product range visit: www.whalepumps.com

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1. PRINCIPLES OF OPERATION

The Vacuum Relief Kit is for Whale Water Heaters and prevents air locks occurring while draining.

2. APPLICATION

This product is designed for use in leisure vehicles.

3. WARNINGS

-  **WARNING**
- A. This product is designed for use with fresh water only. If it is used with any other liquid, it is the user's responsibility to ensure that the materials are fully compatible with the liquids to be used and that a system of safe working practice is applied to installation, use and maintenance.
 - B. The manufacturer cannot be held responsible for claims arising from incorrect installation, unauthorised modification or misuse.
 - C. Incorrect installation will invalidate warranty.

4. INSTRUCTIONS FOR INSTALLATION

For installation on Water Heater range see section 5.1.

For installation on Expanse range see section 5.2.

Observe all warnings.

To the Fitter: Check that the product is suitable for the intended application, follow these installation instructions and ensure all relevant personnel read the points listed below. Also ensure that these operating instructions are passed on to the end user.

 **WARNING**
To the User: Read the points listed before installation and use of equipment.

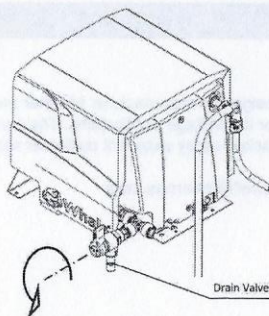
Before you begin, always disconnect power sources before installing or making connections with all applications. It is important that a system of safe working practice is applied to the installation, use and maintenance.

Beware of the risk of scalding. Ensure the water heater has cooled down and been drained before undertaking any work.

5.1 INSTALLATION FOR WATER HEATERS

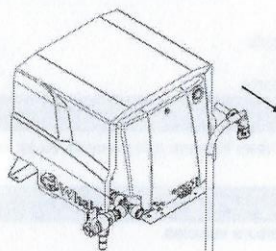
Step 1.

- Turn off the water heater and pump supply.
- Drain the water from the water heater by opening the drain valve and open the tap/shower and ensure that the lever is in the hot position.



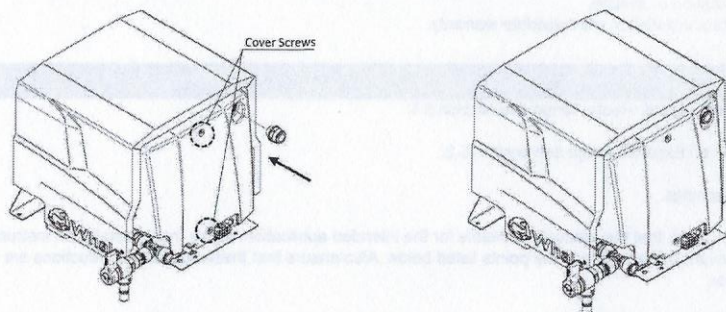
Step 2.

Disconnect the current vacuum relief valve from the heater tank and discard.



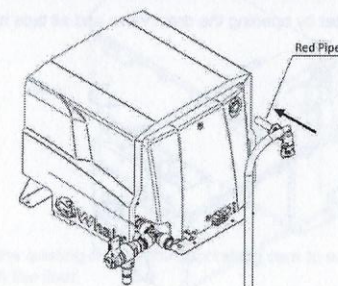
Step 3.

Install new 3/8" adapter to the hot water outlet. **Note:** For ease of installation it may be beneficial to remove the blue cover by removing the highlighted screws and reinstall after 3/8" adapter has been installed.



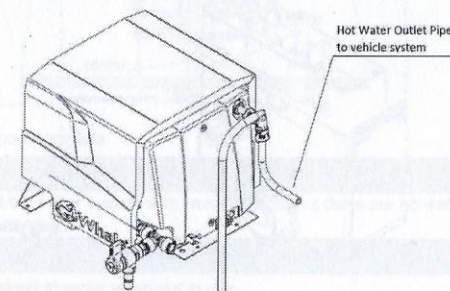
Step 4.

- Install the vacuum relief assembly onto the 3/8" adapter at the hot water outlet.
- Ensure the fitting is fully home and orientated as shown below. **Note:** Use the supplied red pipe as illustrated below.



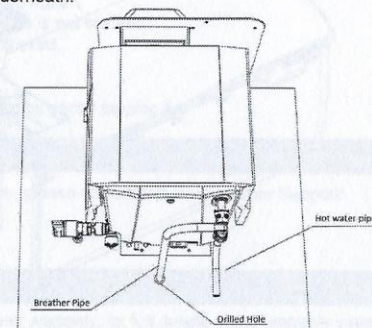
Step 5.

Connect the hot water outlet pipe to the vehicle water system. Ensure the pipe is pushed fully home (into the vacuum relief fitting).



Step 6.

Feed the breather pipe through the existing hole in the floor taking care to ensure the pipe does not kink. Seal around the hose to avoid floor damage from underneath.



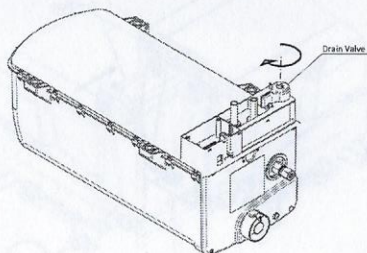
Step 7.

The vacuum relief valve installation is now complete.

5.2 INSTALLATION FOR EXPANSE HEATERS

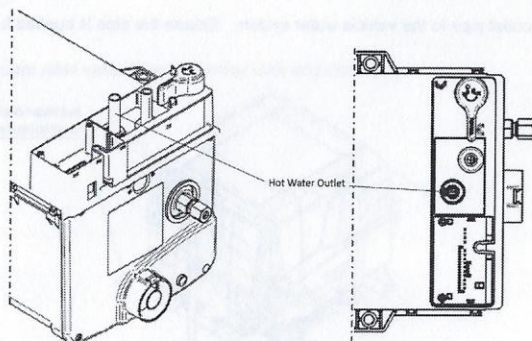
Step 1.

- Turn off the water heater.
- Drain the water from the water heater by opening the drain valve and all taps turned to the hot position.



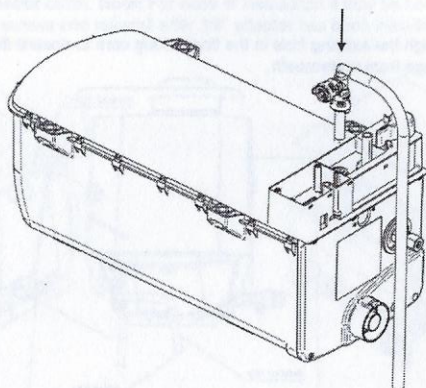
Step 2.

Disconnect the hot water outlet pipe.



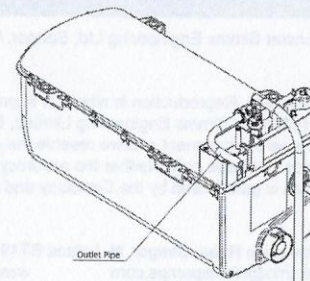
Step 3.

Install the vacuum relief assembly onto the hot water outlet. Ensure the fitting is fully home and orientated as shown below.



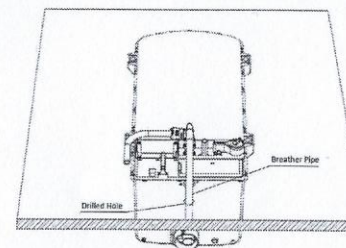
Step 4.

Connect hot water outlet pipe to the vehicle water system. Ensure the pipe is pushed fully home (into the vacuum relief fitting).



Step 5.

Feed the breather pipe through the existing hole in the floor taking care to ensure the pipe does not kink. Seal around the hose where it passes through the floor.



Step 6.

The vacuum relief valve installation is now complete.

6. OPERATION

Ensure the drain valve is closed and fill the water system with water. Check that there are no water leaks. Check the water heater fills with water and drains correctly.

7. MAINTENANCE & WINTERISATION

Ensure that the water heater is fully drained of water when not in use.

8. TROUBLESHOOTING

If the heater or system fails to drain with the drain valve open:

- Ensure all of the taps in the vehicle are in the open position.
- Check no parts of the water system are frozen.
- Check vacuum relief valve breather pipe is not blocked.
- Check drain valve outlet pipe is not blocked.
- Check operation of the drain valve.
- Check system for limescale build up.
- Check operation of vacuum relief valve by gently tapping it.

9. SERVICE SUPPORT DETAILS

For installation or serviceable parts advice, please contact Whale Customer Support:

Tel: +44 (0)345 9090 911

Email: info@whalepumps.com

10. WARRANTY

This product is protected by a limited 2 year warranty, for full details of our warranty statement please see enclosed leaflet.