

DESCALING THE BOILER SYSTEM

AGA RANGEmaster

U110654-01

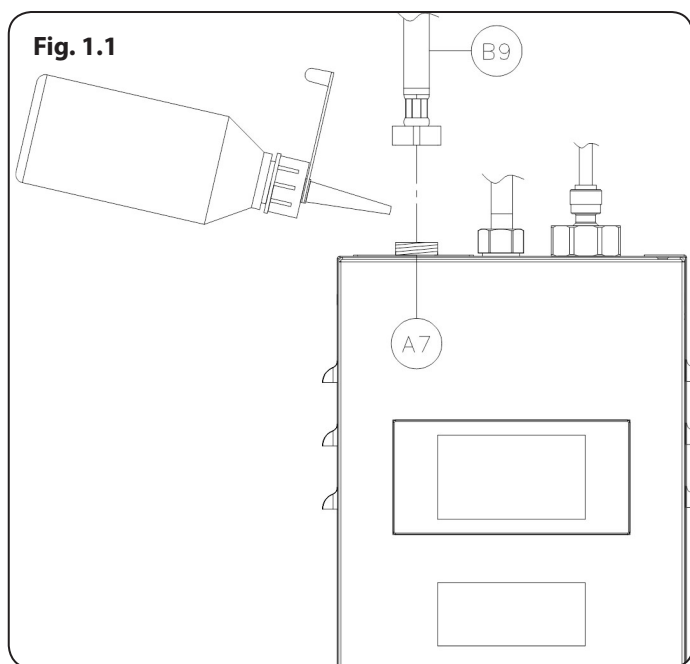
Instructions for GEO and AGA 4 in 1 tap boiler units



CAUTION: Harmful if swallowed. Irritating to eyes and skin. KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty of water. If swallowed, seek medical advice immediately and show this container or label.

MSDS Available. Ingredients: Sulfamic Acid. Country of origin USA. www.rangemastersinks.co.uk or www.agaliving.co.uk for more information.



The filter system provided with this product will help to prevent of the calcification (scaling) of the boiler. However it will be required from time to time that the boiler will need to be descaled, drained and refilled to ensure the maximum energy efficiency and service life from the product especially in hard water areas. Descaling solutions can be obtained by contacting the service agent shown on the label on top of the boiler.

Ensuring that the filter system is set up correctly and replaced as required will reduce the frequency of descaling required.

If you are regularly needing to descale the boiler system then you either need to replace the filter more frequently or check the bypass setup of the filter system.

⚠ The descaling chemical is acidic and should only be used and handled as indicated, care should be taken not to ingest, expose to skin, clothing or decorative surfaces.

⚠ Take care when touching all surfaces and when disconnecting or connecting hoses they may be hot and or generate steam, you must use personal protective wear to prevent accidental scalding.

1. If required, adjust the boiler temperature to 80°C Only If the boiler is already set to a temperature higher than 80°C then dispense at least 1 litre from the boiler using the HotFob, now allow the boiler to fully fill and heat. Once completed then switch off the boiler at the front control panel (see user guide / powering down for more details).

2. Wait until the flexible connector (B9) has cooled to a safe touch temperature, this may take some time (Fig. 1.1).

⚠ Ensure the flexible connector (B9) is cool to the touch before proceeding, afterwards unscrew by hand the flexible connector (B9) from the top of the boiler. Wear suitable gloves to ensure your safety (Fig. 1.1).

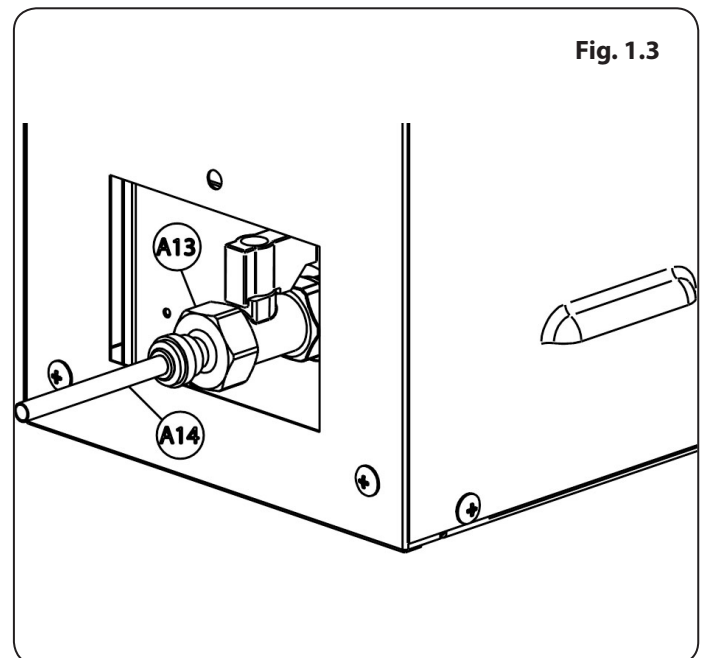
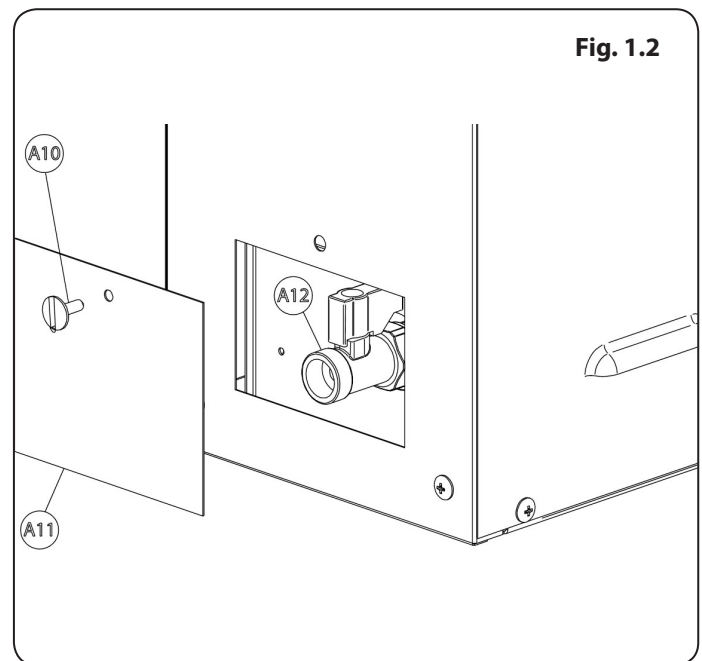
3. If the boiler is only lightly calcified (scaled) use 1 x 200ml descaler liquid bottle, if the boiler is heavily calcified use 2 x 200ml descaler bottles, if you are unsure we recommend you use 2 x 200ml bottles.

4. Shake the bottle gently then carefully cut the top of the bottle nozzle open with a pair of scissors.

5. Carefully and slowly empty the contents of the descaler bottle into the boiler vent (A7), if access for the bottle nozzle is difficult a plastic funnel can be used to help (Fig. 1.1).

⚠ Take care during this step as steam is expected to exit the vent (A7) as the descale solution is added (Fig. 1.1).

6. Take note of the time and wait for **no longer than 30 minutes maximum** for the descaler liquid to work. It is normal for an odour to be present during this time.
7. Firmly reattach the flexible connector (**B9**) to the boiler vent (**A7**). Wear suitable gloves to ensure your safety (**Fig. 1.1**).
8. Switch on the boiler at the front control panel.
9. Dispense the entire contents of the boiler using the HotFob, before immediately switching off the boiler at the front control panel (see *"using the product"* for more details).
10. Drain the remaining water from the tank (see *"draining"* for more details).
11. Close the drain (**A12**) (**Fig. 1.2**).
12. Switch on the boiler at the front control panel.
13. Allow the boiler to fully fill and heat to back to a maximum temperature of 80°C this process will take a minimum of 20 minutes, again it is normal for an odour to be present during this time.
14. Repeat steps 10-12 draining the boiler entirely.
15. Disconnect and stow the drain pipe (**A14**) & connector (**A13**) securely replace the drain cover (**A11**) and screw (**A10**) (**Fig. 1.2**).
16. If required, adjust the temperature to your previous preference.



- ❗ **Should any taste or odour persist in normal use after flushing the unit twice, repeat the flushing procedure as described in steps 9 to 13 until it subsides.**
- ⚠ **The boiler descaling agent has been formulated and tested specifically for your appliance, no alternative descaling agents should be used, it may damage you appliance and invalidate your warranty. For AGA Rangemaster descaler sales please contact the service number on the top of the boiler.**
- ⚠ **Each time the drain valve is used, you should always carefully check that after use the drain valve is fully closed, and not dripping, any leak from the drain may cause damage to the equipment or surroundings. Take care not to move the drain valve lever (A12) when stowing the adaptor (A13) and drain hose (A14) (Fig. 1.3).**
- 🔧 **In the event that the boiler is heavily scaled and following the above steps did not remove all the scale, repeat the complete descaling procedure. If further descaling does not clear any descale warning on the boiler, please contact the service agent using the labelled contact details on top of the boiler.**
- ⚠ **If the boiler was not perfectly level when it was installed, a small amount of water will remain in the tank. In this instance it may be necessary to loosen screw (A4 OR A5) and tilt the boiler slightly to drain any trapped remnants. Once completed, remember to replace the fixing bracket safety screw .**

Due to our policy of continual improvement, we reserve the right to change specifications without prior notice.

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