

Boiler protection kit guide



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Comfort for your home

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Relevance of the instructions

This manual applies exclusively to the following products

Description	Article number
Filter, 22mm Boiler Protection Kit	0020278309
Filter, 28mm Boiler Protection Kit	0020278310

1 Symbols & safety precautions








Magnetic currents - Sensitive electronic instruments such as watches and bank cards with magnetic strips may become damaged by powerful magnetic fields. Always keep items of this nature at a safe distance away from powerful magnets.

Special caution should also be exercised if the installer is wearing a medical implant such as a pacemaker or other electronic cardiac device as strong magnetic fields can damage the electronics inside this type of equipment.

Frost protection - Do not install outside or at temperatures of 0°C unless frost protection is in place.

When adding a component to a heating system, the installer must ensure the system complies with BS7671:2008 for electrical installations

T _{min} / T _{max}	°C	0 / 110
  ≤ 50% glycol	-	-
  	-	-

2 Central heating system water, water & heating system & boiler protection

Features & benefits

- Very small particles, from 5 μ m (= 0.005 mm) and up are separated and removed
- No shut-off valves or bypass required
- Constant low pressure drop
- Maintenance only takes a few seconds and is not a dirty job compared to a filter solution
- Connection diameters from 22mm to DN 600 and above

NOTE

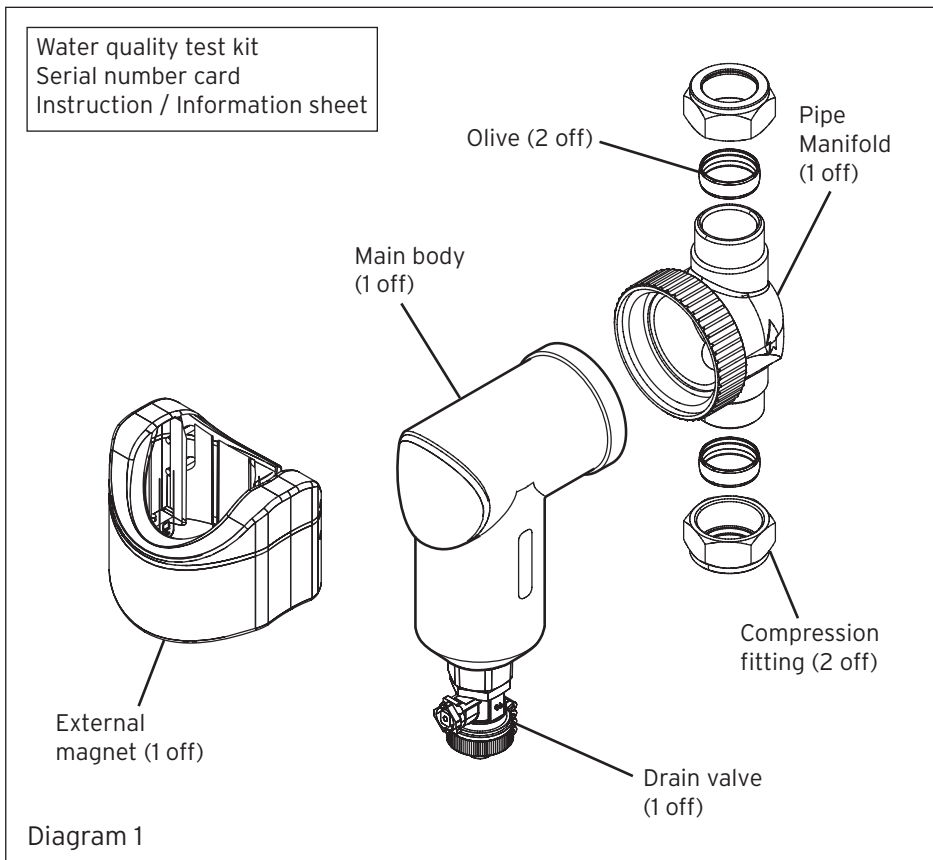
22 mm version suitable for boiler with heating output 14 to 27kW

28 mm version suitable for boiler with heating output 28 to 45kW

3 How the filter works

Today's highly energy-efficient heating and cooling systems can only offer optimal performance with dirt-free water. The unique magnetic field booster technology guarantees unprecedented fast, optimal dirt separation. Even the smallest magnetite particles are removed, maximising system performance as well as protecting costly system components. Thanks to the ingenious design, collected dirt can be removed quickly and easily.

4 What's in the pack



5 Installation

Dimensions

Note: Ensure the dirt separator is fitted to the heating return pipe

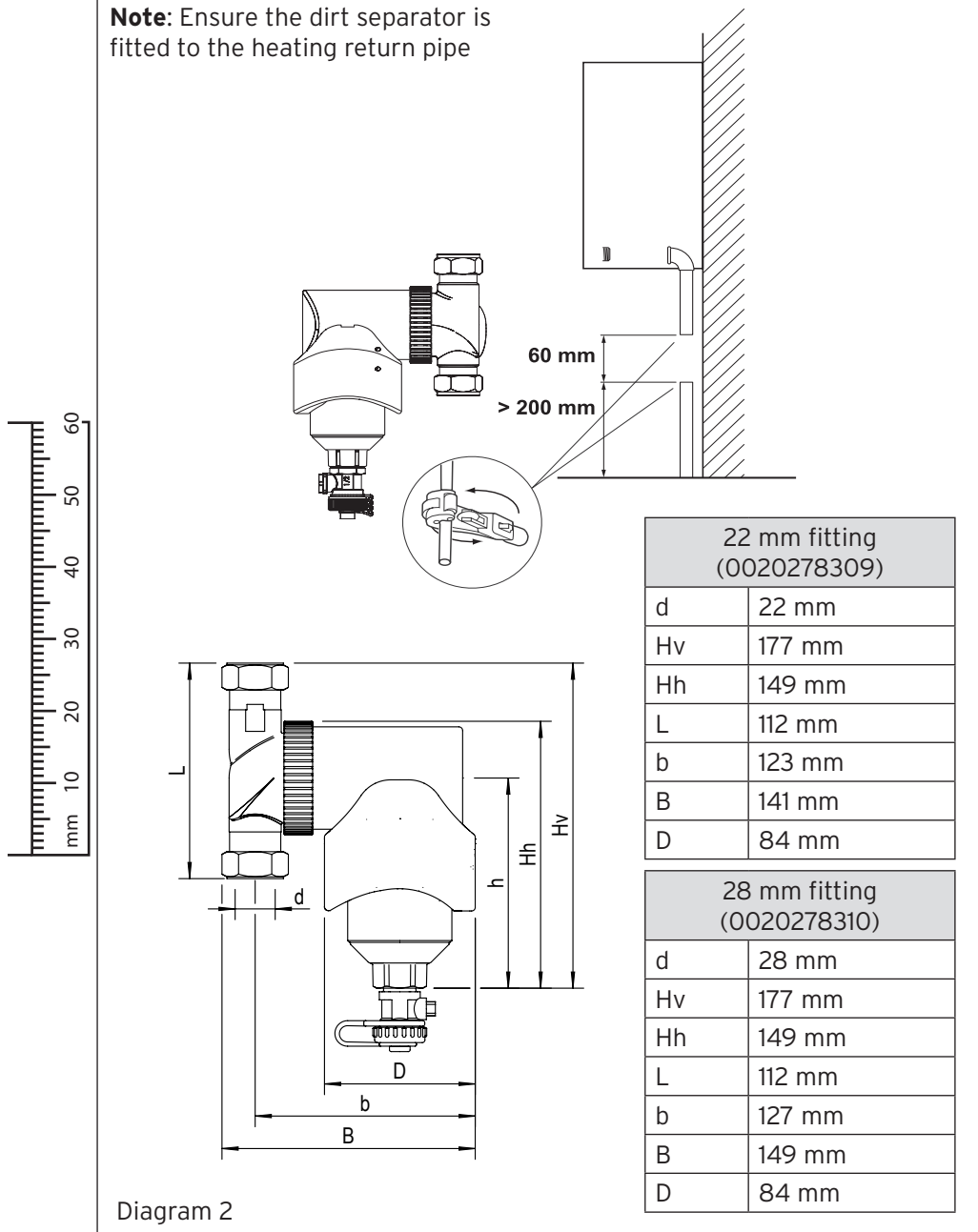
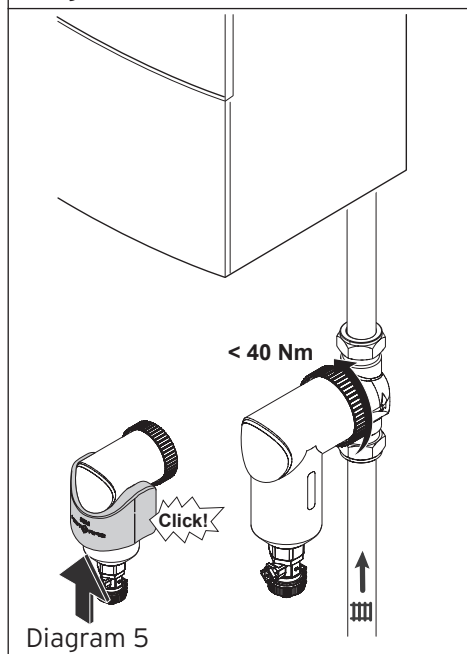
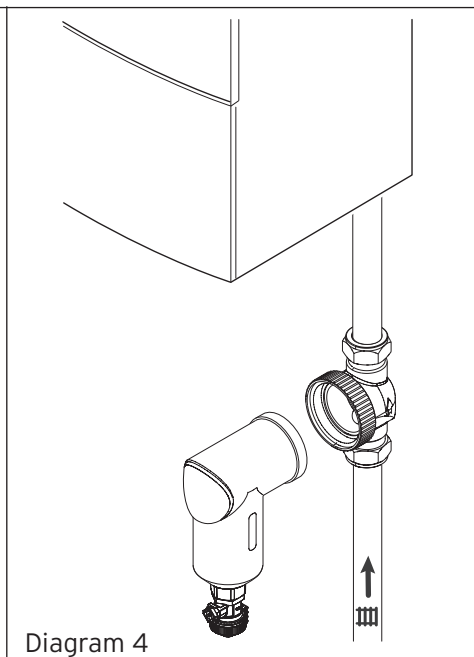
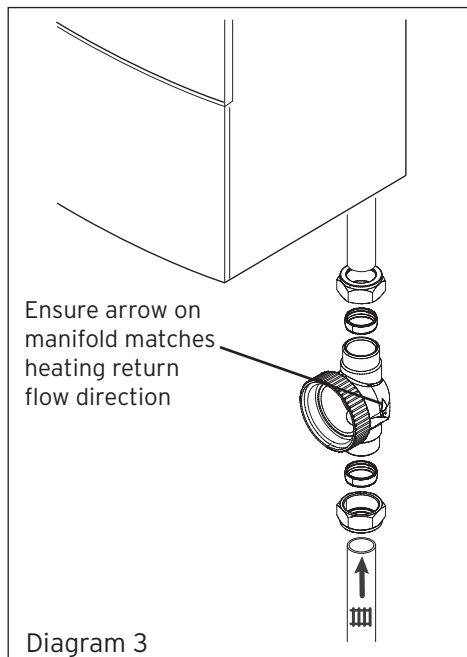


Diagram 2

Installation instructions



6 Water quality test

Testing should be done before inhibitor is inserted, if on a new boiler install.

- 1). Dip the test strip into a sample of the heating water for 2 seconds
- 2). Remove and compare the results to the supplied reference chart (Need to carry out this check within 10 seconds).
- 3). The value is the reading that is the closest colour match to the reference chart.
- 4). pH value should be as per manufacturers instructions.
- 5). If the measured value is outside of the above tolerance, measures should be taken to correct this value (Recommendation: repeatedly flush and test the system water until the pH value is the same as the cold mains pH value, or within the manufacturers' recommendations. Refer to BS7593 for further information on water treatment)
- 6). Repeat this process until measured pH value is with the specified tolerance.

7 Filter guarantee

Lifetime Guarantee* is offered on all standard brass products. Solid guarantee terms apply, made possible thanks to our specialist experience and continuous investment in quality, research, product development and process improvement.

*Based on the estimated service life of a system, with a maximum period of 20 years from the date of installation.

8 Extended boiler guarantee

issued by

Vaillant Group UK Limited with its registered office at Nottingham Road, Belper, DE56 1JT and company registration number 294316 (hereinafter referred to as 'Vaillant')

Boiler Protection Kit:

10 year extended boiler guarantee

Terms and Conditions:

Products Covered: ecoTEC exclusive (green iQ): 800 series combination boilers and 627 system boiler
ecoTEC plus: 800 series combination boilers, 600 series system boilers, 400 series open vented boilers

To receive the benefit of the 10 year extended boiler guarantee the following terms and conditions must be followed or any claim against the guarantee will be rejected. These terms and conditions are in addition to the Vaillant standard terms and conditions as found on the Vaillant website www.vaillant.co.uk

- A Vaillant boiler protection kit (part number 0020278309 or part number 0020278310) must be used, and the following installation and servicing steps conducted in full:
 - The heating system filter should be installed in the heating system pipework in line with the filter installation instructions enclosed in the pack
 - The heating system must be flushed, cleansed and inhibited in accordance with BS7593.
 - In all instances a suitable corrosion inhibitor must be introduced into the clean primary water system as described in the manufacturer's instructions.
 - It is essential that the pH level is as per manufacturers instructions at all times – a litmus test kit is provided to confirm this and results must be noted in the relevant section below and upon yearly service in the comments section of the Benchmark logbook.
 - The cleanliness of the heating system should be confirmed by use of a turbidity tube.
 - The appliance and the system need to be serviced annually. The service process must be as described within the installation and maintenance instructions of the boiler and the Boiler Protection Kit.
 - The effectiveness or strength of the inhibitor and consequent cleanliness of the heating system must be checked every 2 years, action taken as appropriate, and noted in the Benchmark logbook.
- The boiler extended guarantee must be registered by an Advance Loyalty Club registered installer within 30 days of installing the appliance, together with the boiler protection kit on the Advance Loyalty Club website or via the App.
- Failure to register within this time period will result in the guarantee reverting to standard Advance Loyalty Club guarantee levels.
- To register you must provide the full 28 digit serial number of the appliance and the full 28 digit serial number of the Boiler protection kit. The boiler serial number is clearly shown on the: boiler packaging, appliance data plate, removable stickers attached to the top of the boiler and the back of the control box.
- The boiler protection kit serial number is clearly shown on the product packaging.
- The extended guarantee will cover material and labour charges to repair or replace components within the boiler against manufacturing defects from the installation date, provided this is carried out by Vaillant or a Vaillant authorised Gas Safe registered engineer.
- Invoices for attendance and repair of the heat exchanger by third parties will not be accepted for payment by Vaillant.
- When claiming on the guarantee the following will be requested:
 1. Proof of the date of installation,
 2. Proof that the appliance was correctly commissioned (completed Benchmark logbook, signed by the commissioning engineer)
 3. Proof that the annual service has been completed to manufacturer's requirements.

System Ph level at time of commissioning

Signed.....

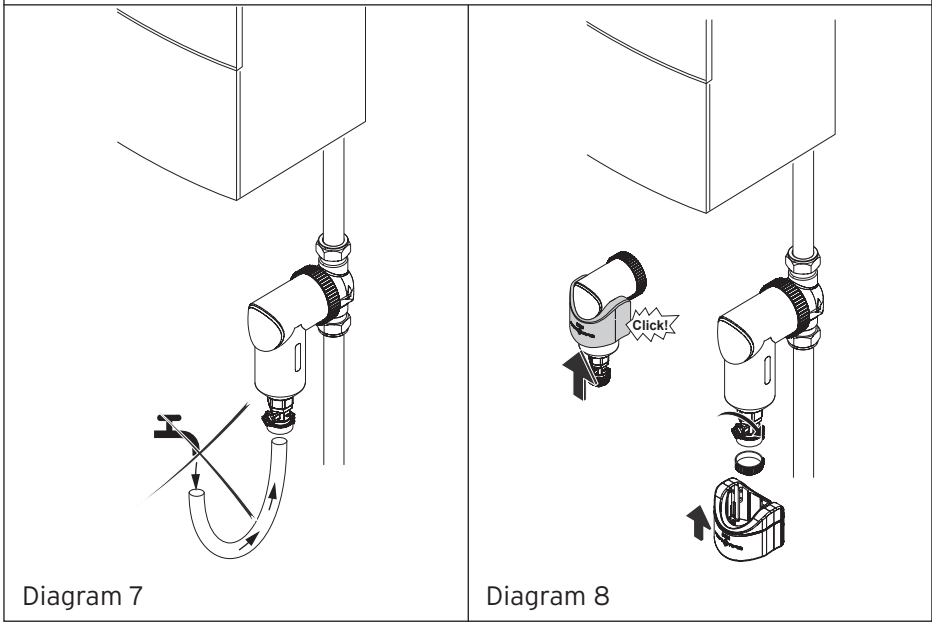
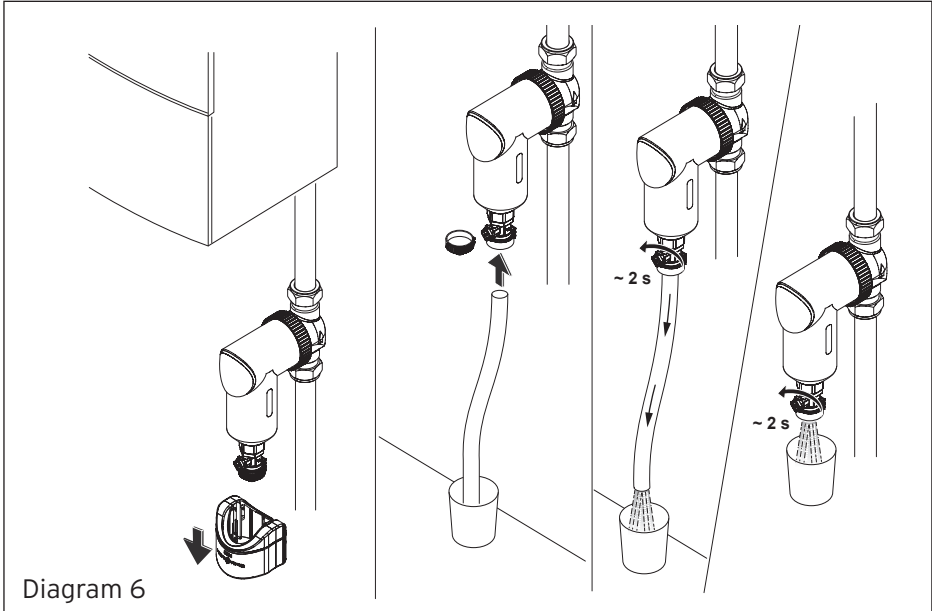
Date.....

9 Servicing

Filter maintenance must be carried out with the annual boiler service

- Switch the boiler off via the On/off button
- Close the gas isolator cock
- Close the service valves in the heating flow and in the heating return
- Close the service valve in the cold water pipe
- Carry out filter maintenance - see opposite
- Open the service valve in the cold water pipe
- Open the service valves in the heating flow and in the heating return
- Open the gas isolator cock
- Switch the boiler on via the On/off button

Filter maintenance



Customer service support

contact details

Sales Enquiries

Vaillant products are available to purchase from reputable heating merchants in the UK. To find contact details of your nearest Vaillant representative:

Telephone: 0345 602 0262

Homeowner technical helpline

For renewable products aftersales servicing and commissioning:

Telephone: 0330 736 0049

Email: technical@vaillant.co.uk

Installer technical enquiries

For technical assistance:

Telephone: 0344 693 3133

Training enquiries

Vaillant provide many different installer training courses. For more information:

Telephone: 0345 601 8885

Email: training.enquiries.uk@vaillant-group.com

General enquiries

If you have a general enquiry our friendly reception staff will happily point you in the right direction:

Telephone: 0345 602 2922

Email: info@vaillant.co.uk

Vaillant Group UK Ltd

Nottingham Road, Belper, Derbyshire DE56 1JT

Company registration number: 294316

Telephone: 0345 602 2922 ■ www.vaillant.co.uk ■ info@vaillant.co.uk

