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GROHE Blue® Starter Kit

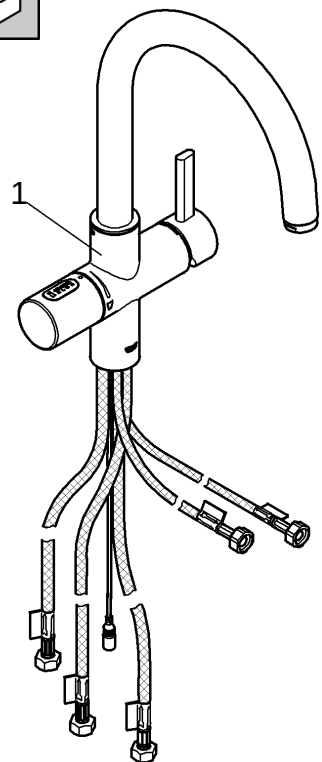
GROHE Blue® Starter Kit

GB Technical product information..... 2

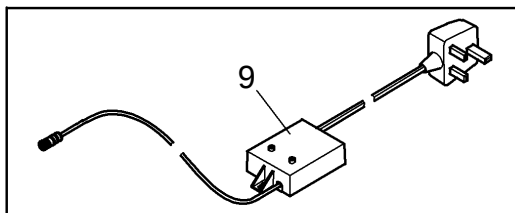
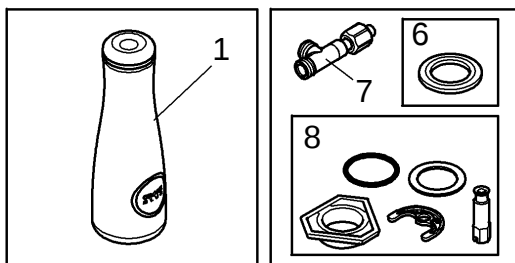
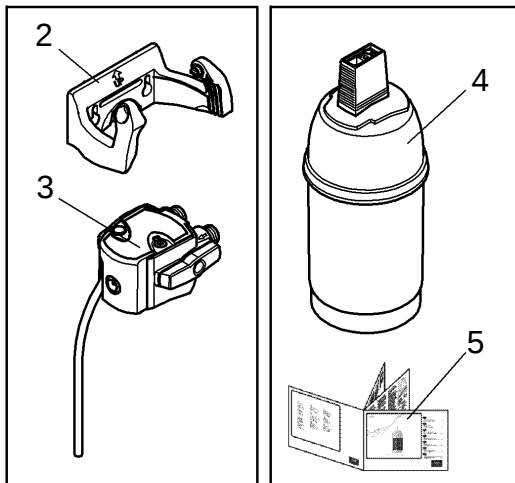
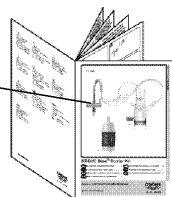
Design & Quality Engineering GROHE Germany

99.083.031/ÄM 217520/02.10

GROHE
ENJOY WATER®



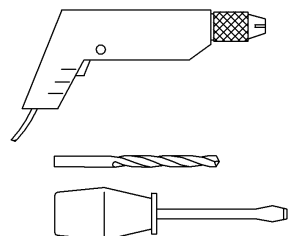
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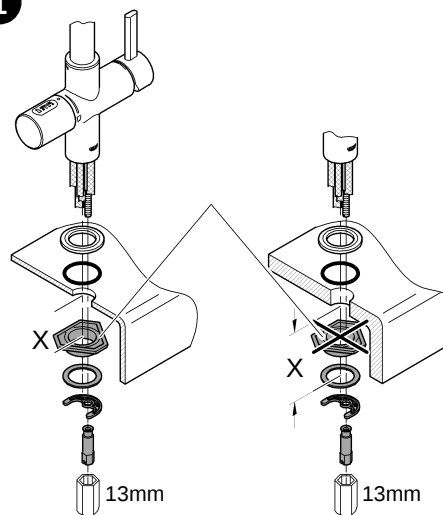
19mm

13mm, 17mm, 32mm

3mm, 4mm



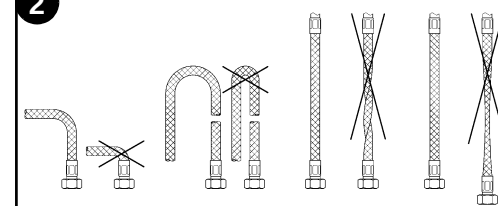
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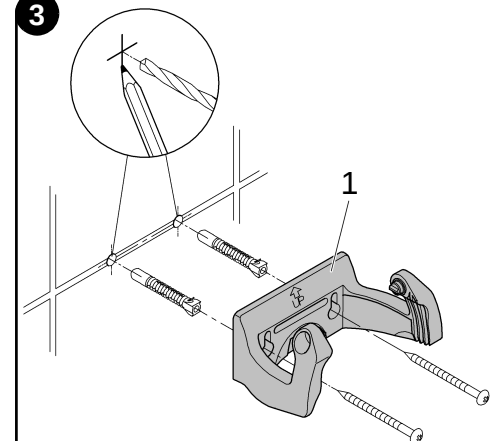
X = max. 45mm

X = 30 - max. 60mm

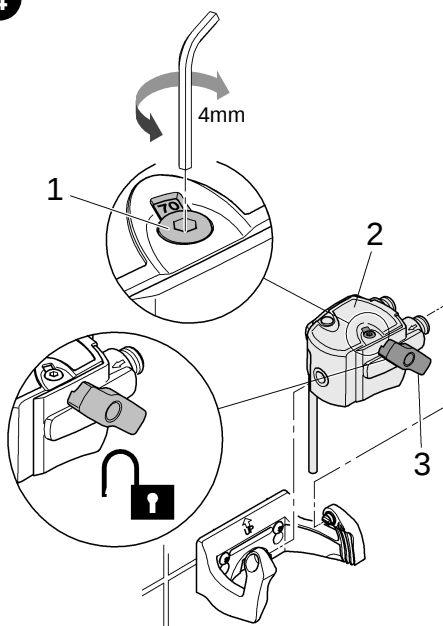
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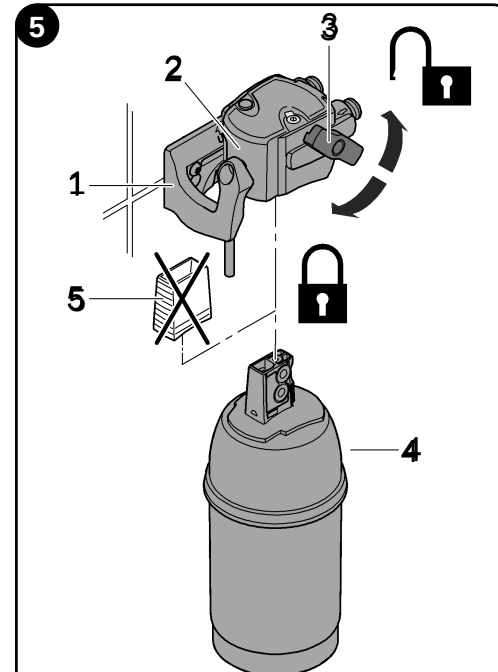
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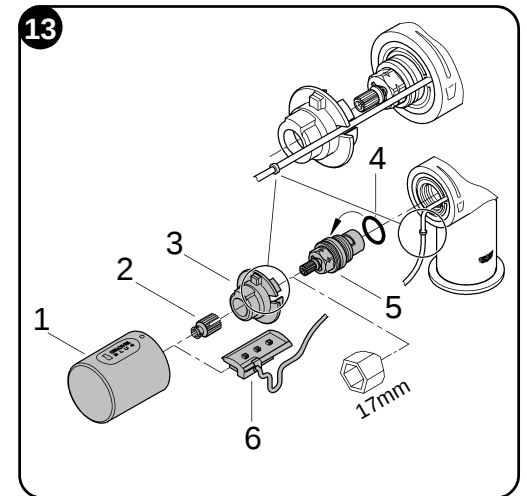
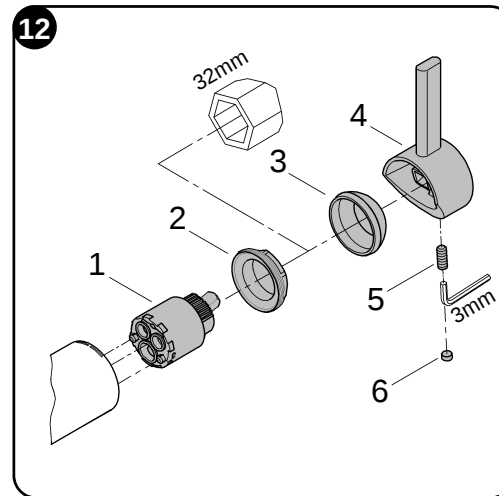
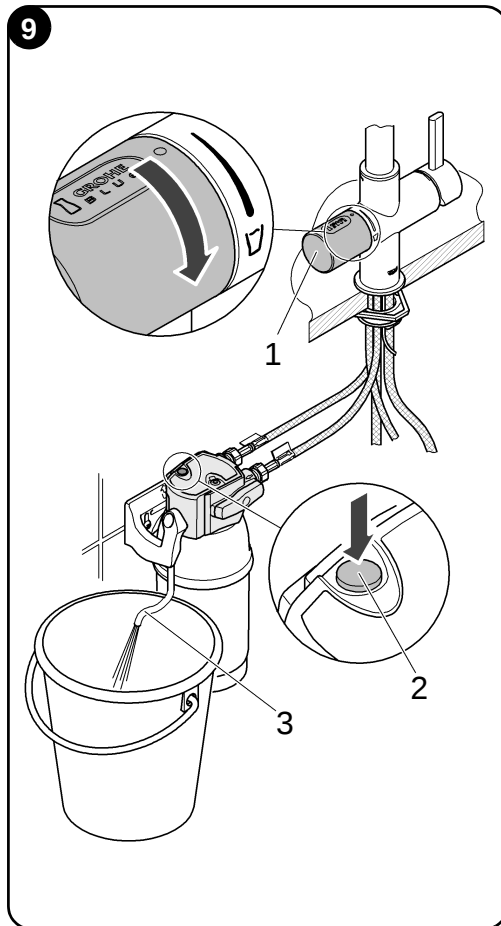
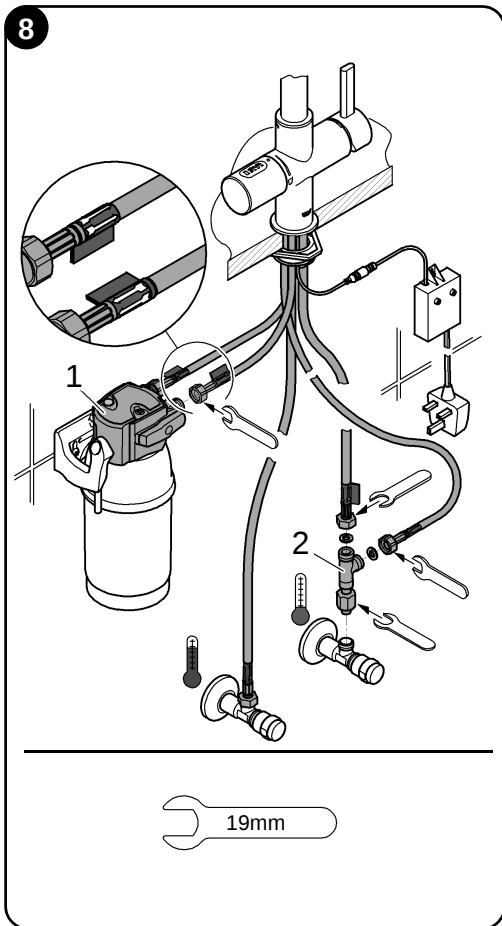
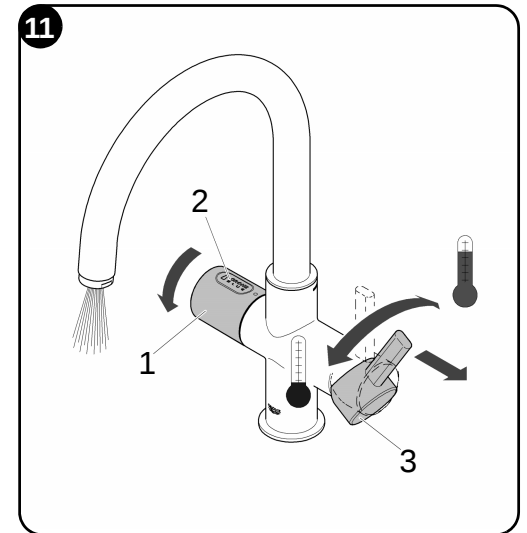
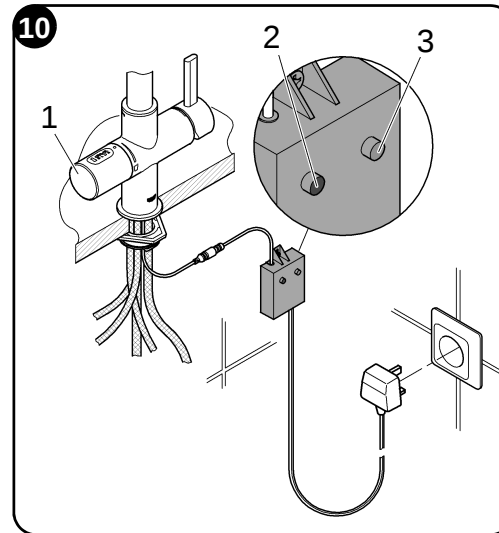
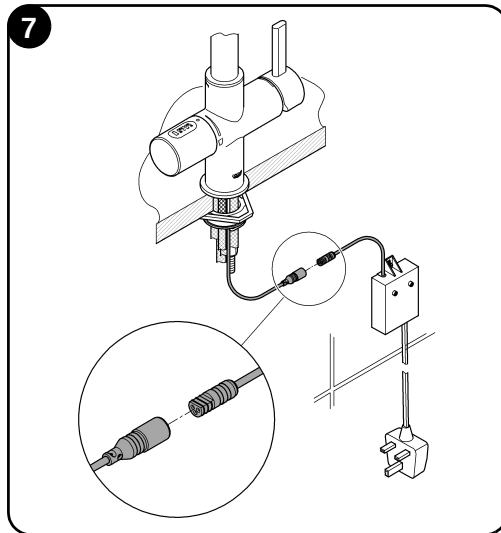
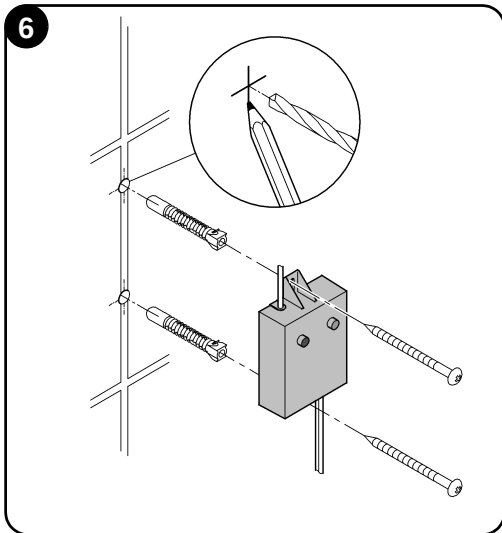


4



5

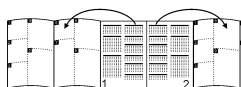




Carbonate hardness (°dH)	Carbonate hardness (mval/l)	Carbonate hardness (mmol/l)	Bypass setting
7 – 9	2,50 – 3,38	1,25 – 1,69	70 %
10 – 11	3,39 – 4,09	1,70 – 2,05	60 %
12 – 13	4,10 – 4,82	2,06 – 2,41	50 %
14 – 17	4,83 – 6,25	2,42 – 3,12	40 %
18 – 24	6,26 – 8,75	3,13 – 4,37	30 %
25 – 35	8,76 – 12,50	4,38 – 6,24	20 %



Fold out pages:



Please pass this Technical Product Information and the user manual for the filter cartridge on to the kitchen fitting user.

Delivery specification (see fold-out page I)

- Kitchen fitting (1)
- Wall holder (2)
- Filter head (3)
- Filter cartridge (4)
- User manual for filter cartridge (5)
- Escutcheon (6)
- Connection tube (7)
- Bag with installation materials (8)
- Control unit (9)
- Glass decanter (10)
- Technical Product Information (TPI) (11)

Tools required:

Open-end spanner, socket spanner, Allen key, screwdriver, possibly also drill (depending on substrate).

Screws and plugs are not included.

Applications

The kitchen fitting supplies filtered GROHE Blue® water in addition to hot and cold tap water. Filtered and unfiltered water flows into the GROHE Blue® kitchen fitting through two separate pipes and through two separate areas of the mousseur.

The filter cartridge reduces the water hardness of the GROHE Blue® water as a function of the hardness of the tap water. The proportion of unsoftened water can be set using the integrated bypass. Furthermore the cartridge binds heavy metal ions such as lead, copper and cadmium. It also reduces cloudiness as well as organic and taste-impairing constituents and chlorine residues.

The filter head is fitted with a type-tested non-return valve.

The water filtrate is classified as Category 2 per EN 1717.

The filter fitting can be operated in conjunction with:

- pressurised storage heaters,
 - thermally controlled instantaneous heaters,
 - hydraulically controlled instantaneous heaters,
- Operation with unpressurised storage heaters is not possible.

Safety notes

- Avoid dangers resulting from damaged power cords. If damaged, the control unit must be replaced.
- The plug-in connectors for the control unit must **not** be directly or indirectly sprayed with water when cleaning.
- The fitting must be connected to a permanent power supply with a dedicated power switch.
- For hygiene reasons, the filter system must be flushed before using for the first time. It is only permitted to operate the filter system with cold water of foodstuff grade.
- At the installation location the filter system must be protected from mechanical damage and heat (e.g. from sunlight). Do not install near heat sources or an open fire.

Technical data

- Flow pressure:
 - min. 1 bar/recommended 2 – 5 bar
 - Operating pressure
 - Fitting: max. 8.6 bar
 - Filter cartridge and filter head: 2 – 8.6 bar
 - Test pressure of fitting: 16 bar
- A pressure-reducing valve must be fitted if static pressures exceed 5 bar.
- Avoid major pressure differences between the hot and cold water supply.
- Flow rate at 3 bar flow pressure
 - Fitting (tap water): approx. 9 l/min
 - Filter cartridge (GROHE Blue® water): approx. 4 l/min
 - Ambient temperature: 4 – 30 °C
 - Temperature
 - Hot water supply: max. 70 °C
 - Recommended (energy saving): 60 °C
 - Voltage supply: 100 - 240 V AC, 50/60 Hz
 - Power consumption: 9 W
 - Type of protection
 - Control unit: IP 65
 - Mains plug: IP 40
 - Adjustable bypass, factory setting: 30 %
 - Filter capacity: max. 500 litres or max. 6 months
 - Water connection: cold – blue, hot – red

Electrical test data

- Software class: A
- Contamination class: 2
- Rated surge voltage: 2500 V
- Temperature for ball impact test: 100 °C

The test for electromagnetic compatibility (interference emission test) was performed at the rated voltage and rated current.

Approval and conformity



This product conforms to the requirements of the relevant EU guidelines.

The conformity declarations can be obtained from the following address:

GROHE Deutschland Vertriebs GmbH
Zur Porta 9
D-32457 Porta Westfalica (Germany)

Installation



Important:

Risk of damage:

- Installation of the fitting and filter cartridge is only permitted in frost-free rooms.
- Flush pipes thoroughly before and after installation in compliance with EN 806.
- The control unit is only suitable for indoor use.

» **Install kitchen fitting**, see Figs. 1 and 2 on fold-out page II.

When installing on the sink, use the enclosed support plate (1), see Fig. 1. Insert fitting into sink (for hole diameter see fold-out page VI). Feed through hoses one at a time. Do not damage hoses, see Fig. 2.

» **Install wall holder**, see (1) in Fig. 3.

Choose suitable screws and plugs if necessary.

» **Set water hardness at filter head**, see (1) in Fig. 4.

Set water hardness at bypass setting to local conditions, see table on fold-out page IV. The relevant water supplier can provide information on the water hardness.

» **Insert filter head**, see (2) in Fig. 4.

» **Insert filter cartridge**, see Fig. 5:

The filter head (2) can be swivelled forwards by up to 90° in the wall holder (1) to install the cartridge.

1. Remove protective cover (5) and insert filter cartridge (4) into filter head to the stop. Note the installation position of the filter cartridge.
2. Turn locking handle (3) until filter cartridge is felt locking into place.

» **Install control unit**, see Fig. 6 on fold-out page III.

» **Connect plug-in connector of fitting to plug-in connector of control unit**, see Fig. 7.

» **Connect fitting**, see Figs. 2 and 8:

1. Connect the pressure hose marked red to the left service valve (hot water).
2. Fit connector (2) onto service valve on right (cold water).
3. Connect the two short pressure hoses marked blue (arrows point towards the fitting) to connector.
4. Connect the long pressure hose marked blue (arrow points **towards the filter**) to filter head (1) [IN].
5. Connect the long pressure hose marked blue (arrow points **away from the filter towards the fitting**) to filter head (1) [OUT].

» **Open hot and cold water supply and check that connections are watertight.**

Putting into service

» **Flush filter cartridge**, see Fig. 9:

1. Place collecting vessel (at least 2-litre capacity) under filter to collect the water flowing out of the hose (3).
2. Open rotation handle (1).
3. Press flush valve (2) on filter head and flush filter system.
4. Continue flushing until the water emerging from the hose is clear and free of bubbles (at least 2 litres).
5. Close rotation handle.

» **Connect power supply**, see Fig. 10 on fold-out page IV.

The red and green indicator lamps flash on and off a number of times and then remain on.

» **Set the flow rate** (factory setting: 4.5 l/min), see Fig. 10:

1. Place measuring beaker (1 litre) under the spout.
2. With a finger, cover red (2) and green (3) indicator lamps on control unit simultaneously for 6 seconds.

The indicator in the rotation handle (1) of the fitting flashes red.

3. Open rotation handle fully within 2 minutes and draw off exactly **1.0 litre** of filtered water.
4. Close rotation handle.
5. Quickly tap one of the two indicator lamps twice with a finger.

Both indicator lamps flash on and off 4 times and then remain on.

Repeat the entire process if the indicator lamps do not flash on and off. Possible causes:

- Time expired (2 minutes)
- Flow rate too slow or too fast (< 1 l/min or > 6 l/min)
- Tapping did not register

The fitting is now fully installed and ready for operation.

Operation, see Fig. 11

» **Open lever (3)** to draw mixed water.

» **Open rotation handle (1)** to draw off filtered water. The indicator in the rotation handle indicates the filter capacity:

Filter capacity indicator (2) in rotation handle:

Flashing signal	Meaning
	Filter capacity of more than 10%
	Filter capacity of less than 10%
	» Order filter cartridge
	Filter capacity of less than 1%
	» Change filter cartridge soon
	» No filter capacity
	» Change filter cartridge immediately

Note:

Replacement filter cartridges can be ordered at www.grohe.com or from your supplier.

Maintenance

Inspect and clean all components and replace if necessary.



Important:

Risk of damage:

Always disconnect the power supply before carrying out maintenance work on the fitting. The plug-in connectors can then be disconnected, see Fig. 7 on fold-out page III.

Cartridge, see Fig. 12 on fold-out page IV.

1. Shut off hot and cold water supply.
2. Lever out plug (6) and remove set screw (5).
3. Remove lever (4) and cap (3).
4. Remove screw coupling (2) and take out cartridge (1).

When installing the cartridge, ensure that the seals are correctly seated. Screw in screw coupling and tighten.

Ceramic headpart, see Fig. 13 on fold-out page IV.

1. Shut off hot and cold water supply.
2. Close rotation handle (1) and remove.
3. Remove display component (6).
4. Remove snap insert (2) and stop (3).
5. Replace complete ceramic headpart (5) or O-ring (4).

Assemble in reverse order. Note the installation position of the stop.

Mousseur

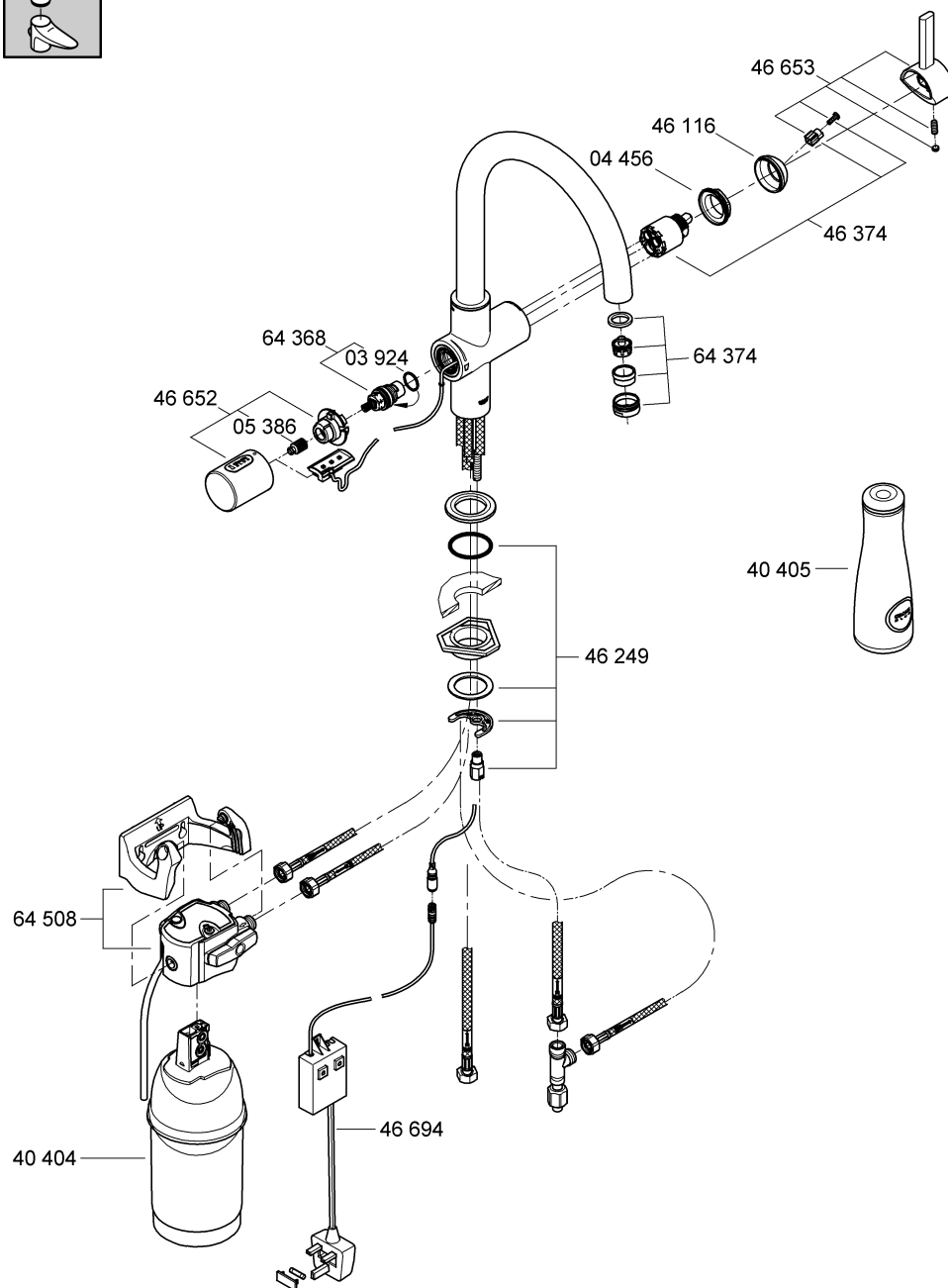
Remove and clean mousseur (64 374), see fold-out page V.

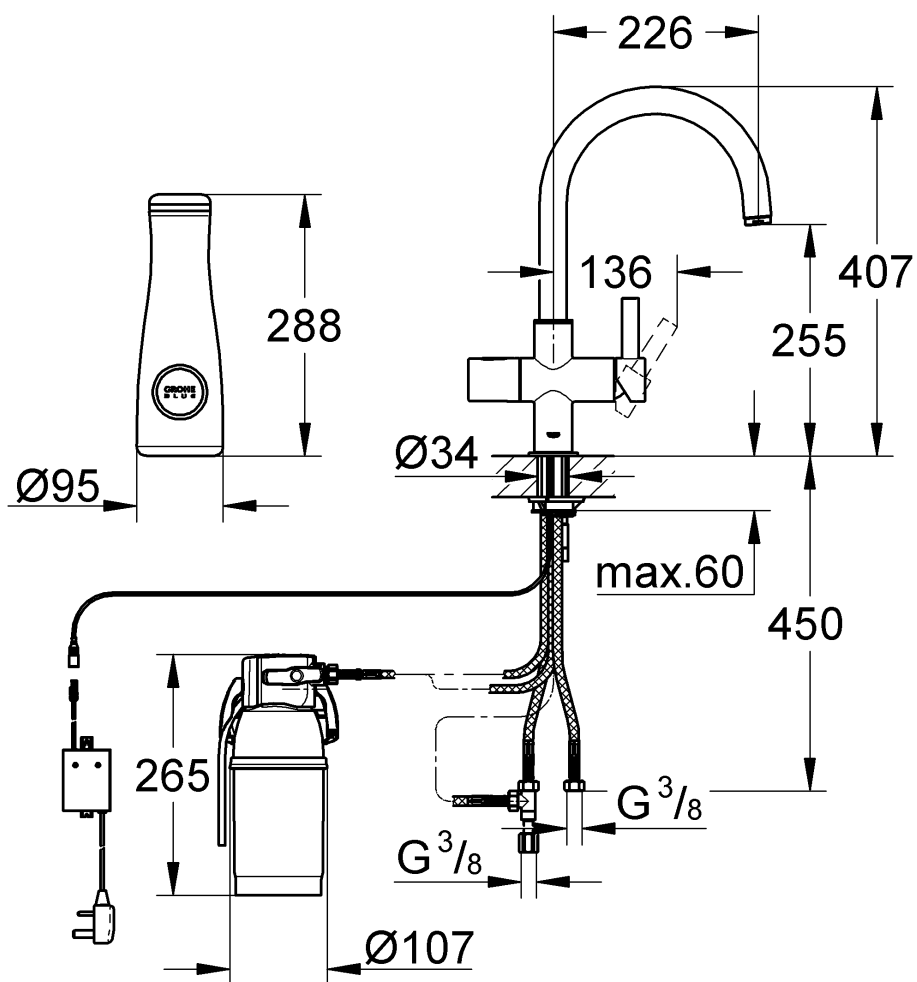
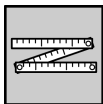
Power supply fuse of control unit:

Remove and replace fuse (3A) if the red and green indicator lamps does not light, see fold-out page V (available from electrical retailers).

Replacement parts

Replacement parts, see fold-out page V.





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ENJOY WATER®