Energy PLUS®

Undersink Alkaline Ionization Water Filter

Installation Manual

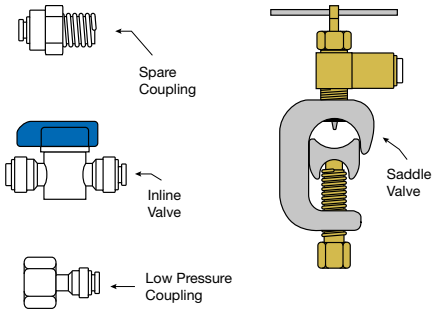
Important Information

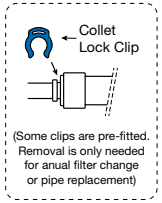
The Energy Plus has been designed for straight-forward installation and maintenance. Read the full instructions prior to installation to ensure a successful installation and reliable operation. Make sure filters are changed regularly to maintain high quality alkaline ionised water. Please retain spanner for future use.

If you require further assistance please contact us at info@water-for-health.co.uk or 01764 662 111.

www.water-for-health.co.uk

Energy Plus Contents list





How to install your Energy Plus undersink water filter

Step 1 – Choose filter location

Determine filter location by finding a spot in the under-sink cabinet that is near the cold-water feed but away from hot pipes or other hazards.

Once you have chosen a location for your Energy Plus water filter, turn your main water stop cock off.

CAUTION: water filter must be installed on cold water line only.

Step 2: - Choose a tap location

In most scenarios, a new hole for the tap is required. Try to place it as near to the sink as possible – either on the metal lip if there is enough clearance (40mm), or on the worktop next to your sink. The tap will fit through a 12mm hole or larger but do not exceed 15mm. For drilling through a metal sink, first make a small indentation with a punch in the middle of the desired location. This will stop the drill bit moving.

CAUTION: Wear eye protection when drilling.

Step 3 – Tap Installation - See diagram 1

A. Unroll the white pipe and cut cleanly allowing enough pipe to reach from the underside of the worktop to outside of the cupboard. This allows for easy filter change.

B. Slide escutcheon on the tap stem making sure o-ring is in base.

C. Push tap stem through pre-drilled hole carefully so escutcheon and o-ring do not slide off.

D. Slide on plastic washer and locking washer from the bottom followed by locking hex nut. Tighten nut.

E. Feed one end of the white pipe through the compression nut followed by cone washer and gasket. Screw in position and tighten. Make sure the pipe remains fully inserted while being tightened.

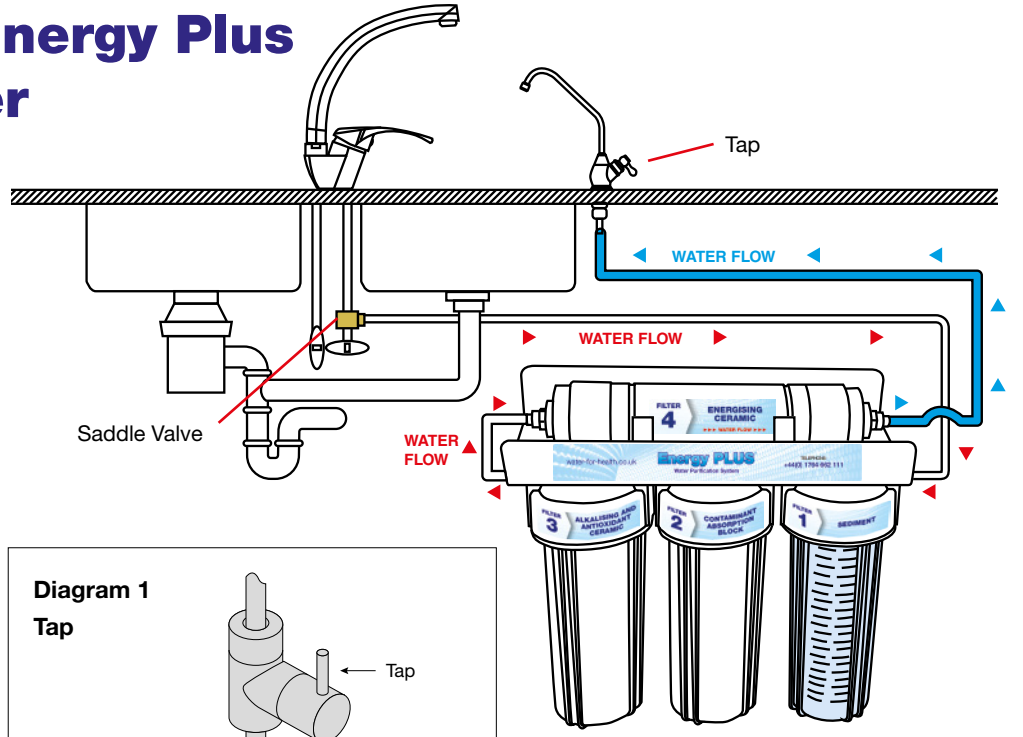
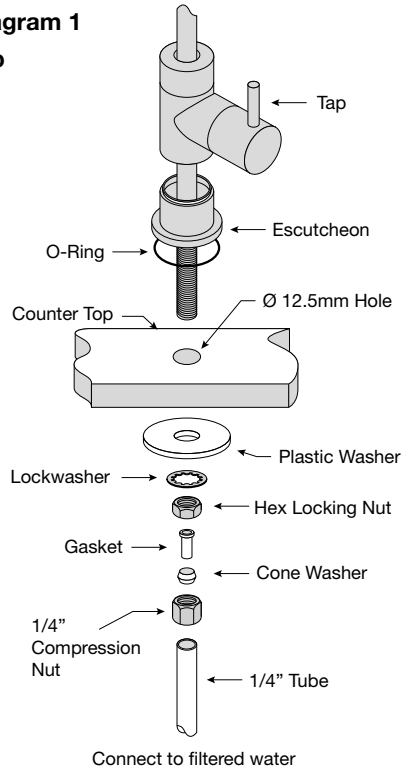


Diagram 1
Tap



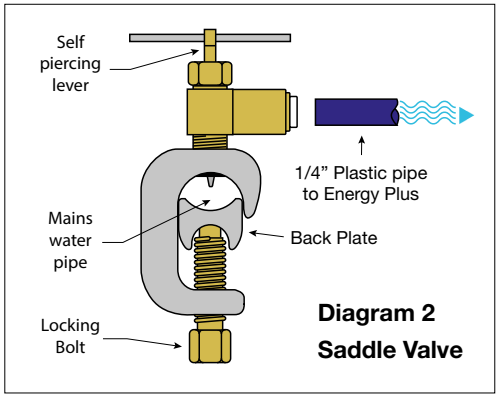


Diagram 2
Saddle Valve

Step 4– Install water supply

CAUTION: always check the local plumbing codes before tapping into a water line.

WATER SUPPLY PRESSURE MUST NOT EXCEED 100 PSI. This is not a problem if using mains water. Failure to set correct pressure could result in leakage/bursting of unit.

This step has two options: Using the **Saddle Value** provided which is suitable for the vast majority of applications or using the **Low pressure** coupling provided with a compression tee-piece (not provided but readily available from hardware store or builders merchant.) where pressure is low.

Saddle valve (see diagram 2)

A. Locate section of cold-water feed pipe which is straight for 50mm and free from bends or connectors.

B. Assemble saddle-tapping valve on 15mm main cold feed pipe with the wider curve against the pipe and the smaller curve against the locking bolt. Hold the back plate and saddle valve against main feed and tighten, retaining nut enough so that the saddle valve and back plate are held securely against copper pipe.

C. Unroll blue pipe and cut cleanly allowing enough pipe for it to reach out of the cupboard. This allows for easy filter change.

D. Connect end of blue pipe to push-fit connection on saddle valve.

E. Push inline valve on to the other end of the blue pipe. Make sure valve is closed and flow direction follows embossed arrow on the valve.

F. Cut another piece of blue pipe approximately 500mm in length

G. Push cut pipe on to the other end of the inline valve. Noting the flow direction on valve.

H. Fully screw in the saddle valve pin to pierce hole in main feed pipe then slowly unscrew enough to allow water to run along the pipe.

Low pressure situation

A. Locate section of cold water feed pipe which is straight for 50mm and free from bends or connectors.

B. Cut main feed pipe ready to insert compression tee piece.

C. Connect compression tee piece.

D. Screw on low pressure coupling.

E. Push blue pipe into connector.

F. Unroll blue pipe and cut cleanly allowing enough pipe for it to reach out of the cupboard. This allows for easy filter change.

G. Push inline valve on to the end of the blue pipe. Noting the flow direction and making sure valve is closed.

H. Cut another piece of blue pipe approximately 500mm in length.

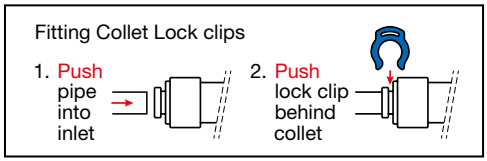
I. Push cut pipe on to the other end of the inline valve.

Step 5 – Connecting the system

A. For transportation purposes filter 3 and 4 are not connected and black caps have been placed over the inlet of filter 1 and outlet of filter 3.

B. Connect filter 3 to filter 4 by fully inserting the elbow hanging from filter 4 into the outlet of filter 3 and fit a locking clip.

C. Connect the inlet blue pipe from the mains to filter 1 and the white pipe from the tap to filter 4 by fully pushing them into the housing connectors and fit locking clips.



Step 6 – Testing the system

A. Visually check pipework – tighten or push connectors as required.

B. Fully open the tap - at this stage no water should flow.

C. Turn on the mains feed slowly. Check that there are no leaks in any connecting pipework, or at the filter cartridge connections. If any leaks are present, immediately turn off the mains feed and double check all connections.

D. Close the tap and check again for any leaks.

Your Energy plus system is now ready for use.

Flow rate can be decreased by partially closing the in-line valve. For ideal performance set flow rate at 1.5 to 2 litres per minute. This can be done by using a measuring jug and timer.

Should the system not be used for over 3 days, close inline valve and leave tap open.

IMPORTANT: after installing the system, run water through the device for 5 minutes, wait one hour, then flush again for 5 minutes to remove any carbon dust particles. The water may have fine bubbles. This is completely normal and less noticeable after a few days. Check system for leaks within 15 minutes and then 12-24 hours later.