



IRIS MEA Water Device Application Note

Below is an image of a **Phi'on** patented, IRIS under-sink and shower device, for restructuring urban water. This device is fitted (encased) with 12mm neodymium magnets, and designed with *sacred* geometry principles to create a **permanent negative charge** in the water (liquid).



The **IRIS** Water Restructuring Device is supplied in chrome plated, and traded under **Phi'on**.

Visit www.meawater.com.au and www.phion.com.au for technical and scientific papers on restructured water and its benefits for microbes, soil, plants, animals and humans.

The **IRIS** device is installed in-line with an existing water supply system. It is most suitable for in-door and outdoor use for restructuring water (particularly urban or chemically treated water). This device may not always remove the smell and taste of chlorine from urban water. Some urban waters have high levels of chlorine and other contaminants.

Directions for installation

The device is manufactured with $\frac{3}{4}$ " BSP thread fittings (female one end and male on the other), therefore overseas installations may have to check for standard country fittings that may be different, eg. in the USA the thread dimensions are NPT and a conversion fitting from BSP to NPT is required. Phi'on can supply conversion fittings, if requested.

Below and on Page 2 are images of installations. In all cases the thread needs to be prepared with plumber's tape to prevent leakages. Also, the device should be checked for leakages before the installation is finalised.



The image on the left illustrates how the device is fitted under the sink (cold water pipe) and to a shower. It is best to initially check the set-up of the sink and shower systems before buying the IRIS device to ensure that there is space and a connection point for the device.



The images to the left show the IRIS device attached to a tap (either inside or outside taps). The attachment components can be acquired in a one piece set from hardware stores, and has a shower head attached to one end.



The image to the left shows the IRIS attached to a hose component set that can be acquired from hardware stores. This component provides portability to the device for use in a camping or caravan situation, and connection to a tap (the top component is screwed onto the tap). A shower unit is secured to the other end, and it can also be used as a spray for watering plants, or as a hose for cleaning surfaces.



The IRIS unit can be attached to a sprinkler unit. Larger sprinkler may require a connector for conversion from a 1" thread on the sprinkler to the ¾" thread on the unit.

This device will potentially improve the quality of urban and other waters and potentate the uptake of nutrients and minerals in liquids when used on a garden tap or sprinkler. For example, trials with this device produced the following results:

- Pathogenic microbes (eg. E. coli) are eliminated from tank, creek or waste (grey) waters.
- The smell and taste of chemicals in water and minerals in hard water are reduced or eliminated, depending on concentrations.
- Restructured water from the under-sink installation has also been demonstrated to increase flavours in black and green teas, herbal teas, coffee, and where it is used in preservatives, fermentations, and slow cooking of meats and vegetables.

A significant number of people worldwide live in apartments where this device is highly suitable for conditioning or restructuring urban water from a positive charge to a *life-affirming* negative charge. The device can be installed under the sink, on the shower, to a washing machine, water-cooled air conditioner and independent standing hot-water systems. Similarly, applications will exist within an office, small business or small agricultural and industrial sites for water supply.

[For further information](#)

Contact Phi6n office staff on 61-2-48428182 or visit either www.meawater.com.au or www.phion.com.au for information papers on the MEA water devices. All MEA water restructuring devices have been invented and patented by Phi6n's research company, Resonate Research Pty Ltd.