



## LIMETRON®

### Operation and Installation Instructions

#### Introduction

Limetron is a Catalytic Water Conditioner designed to treat water on the incoming mains supply to reduce or eliminate limescale caused by naturally elevated levels of hardness. The Limetron utilises a specially developed metal alloy that reacts with water altering the state of calcium carbonate and preventing it from forming limescale.

#### Size Selection

For Limetron to have maximum impact, fitting the correct sized Limetron is vital. Each sized Limetron has a minimum flow rate during service, if the flow rate is not known then a Limetron with the equivalent pipe diameter as the intended installation location should be used. For systems where there is heavy scale build up occupying 15% of the pipes internal diameter a Limetron one size smaller than the pipes diameter should be installed.

#### Installation

##### Direction

On the label there is a flow direction arrow showing the way water should flow once installed, if Limetron is installed backwards then this will cause a loss in water pressure.

##### Fitting

Limetron comes supplied with stainless steel male BSP threads, with the appropriate union and sealants can be mated to any pipe material including: copper, stainless and mild steels, PVC, ABS and GRP. Bonding/earthing is not required

***Installation should always be carried out by a competent pipefitter or qualified plumber***

#### Operation

Once Installed Limetron needs no servicing, has no replacement parts and should operate for a minimum period of 10 years.

With some water types Limetron can remove existing scale deposits which will be absorbed back into the water. Treatment does not affect potability and all Limetron models are WRAS approved. Limetron is designed to reduce or eliminate limescale caused by hard water. The benefits of Limetron can take anywhere between 1 week to 3 months to show depending on existing scale accumulation within pipe work and the frequency of water use.

Installations where there is already existing scale accumulation it may take time for treated water to remove this old scale and during this "descaling" process it may appear that scale buildup has increased at water outlets or in heaters. And this will continue until all old scale has been removed. In old buildings where there is very old and heavy scale build up in steel pipe systems the de-scaling effect can uncover pinholes caused by oxygen trapped by old scale. Such installations should be monitored following installation.

Electric water kettles create a vapour line between the element and water, as a result total scale prevention is not always possible and kettles may develop a thin white film following use. Kettle lifespan will still be significantly increased compared to no treatment.

#### Lifespan

Limetron has a minimum lifespan of 10 years. Some cases Limetron has operated in excess of 20 years

#### Warranty

Limetron comes with a 10 year materials warranty on a replacement basis. Should the Limetron suffer a materials defect it can be returned to Fluid Dynamics and repaired and returned. If the Limetron cannot be repaired it will be replaced with the cost a % of original retail price depending on years or service achieved, for example if Limetron is 8 years old then 80% of the rrp will be charged for a new model.

