

# USER GUIDE

## Combimate SCALE REDUCER

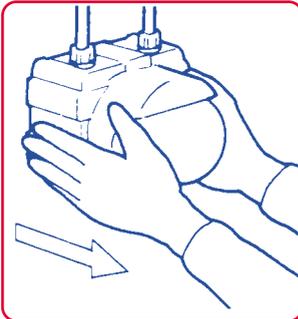
dual-fit

Your Combimate scale reducer deters the formation of scale and reduces corrosion in the hot water system and appliances by adding minute quantities of Siliphos to the cold water supply. Siliphos is a harmless 'food grade' polyphosphate compound which stabilises the hardness minerals in the water supply keeping them in suspension. Rather than forming a scale deposit when the water is heated the minerals pass through the system.

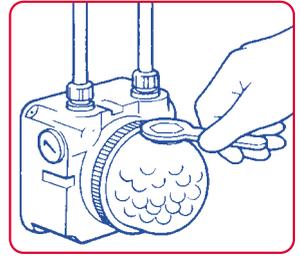
The amount of water that the Combimate can treat effectively depends on the surface area (volume) of the Siliphos spheres and the quality. It is important to check both the quantity and quality regularly to ensure a continued level of treatment. The minimum recommended servicing requires a complete replacement of the Siliphos once a year. Between changes additional spheres can be added after removing the red filler plug.

### To check or 'top up' your Combimate

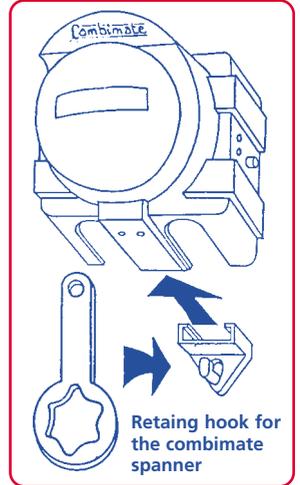
Depress the two red buttons on either side of the Combimate cover simultaneously. This releases the cover and allows it to be pulled clear of the base. With the cover removed the water supply is isolated from the mains input and the rest of the system.



Undo the red plug using the spanner supplied and insert as many Siliphos spheres as possible. Replace the plug and tighten. Push the cover back on to the base until it 'snaps' into position. With the cover in place the water supply should be re-engaged and the Combimate is ready for use.



Siliphos immersed in water for more than 2 months without regular through flow will start to deteriorate and eventually crumble into a solid mass. If the property is likely to be empty for extended periods we recommend the Combimate is emptied and the Siliphos dried and stored. In normal use **WE RECOMMEND THAT THE ENTIRE CONTENTS ARE CHANGED ANNUALLY** to maintain both the quality and the quantity.



When cleaning the Combimate use only warm water and mild soap.

## Cistermiser

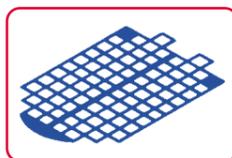
Cistermiser Limited  
Unit 1, Woodley Park Estate,  
59-69 Reading Road,  
Woodley, Reading,  
Berkshire RG5 3AN  
Tel: 0118 969 1611 Fax: 0118 944 1426  
Email: sales@cistermiser.co.uk  
Web site: www.cistermiser.co.uk



## INSTALLATION GUIDE

### **Combimate** SCALE REDUCER dual-fit

The Combimate dual-fit can be used to dose at 2 different rates depending on the total surface area of the Siliphos spheres. Inside the dome is a removable divider tray which, if left in place, reduces the available volume and therefore the number of spheres by approximately 50%.



If the Combimate is to dose the cold water supply to the WHOLE HOUSE then the divider tray must be REMOVED.

If the Combimate is to dose the cold water supply to a SINGLE APPLIANCE then the divider tray MUST REMAIN IN PLACE.

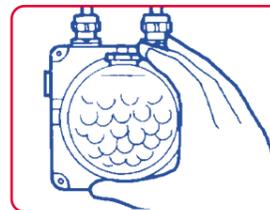
Whenever possible the Combimate should be fitted in a position where it is easily accessible for servicing and acts as a reminder to the user. It should be a minimum of 45 cms. from any appliance or local heat source to prevent the water in the dome from warming and accelerating the rate of dissolution of the Siliphos.

IT IS IMPORTANT THAT NO FLUX COMES INTO CONTACT WITH THE PLASTIC BODY. This will cause eventual deterioration of the material, possibly leading to leaks.

The base of the Combimate may be orientated to obtain the best position for the incoming water supply. In order to keep the filler plug upright it may be necessary to rotate the dome relative to the base and re-locate the divider tray.

**IMPORTANT - maximum mains pressure 6.5 Bar (100psi)**  
Note: the installer should ensure continuity of earth bonding.

TO REMOVE THE DOME, unscrew and Remove the filler plug followed by the large aluminium ring.



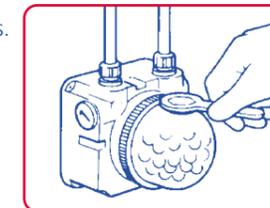
Before replacing the dome ensure that the rubber 'O' ring is correctly positioned on its shelf inside the base. TIGHTEN the aluminium ring BY HAND, should a leak occur check for damage or small particles lodged behind the rubber seal.

When tightening the compression fittings it is essential to HOLD THE INNER NUT WITH A SECOND SPANNER. This should prevent damaging the Combimate by overtightening the thread which enters the plastic body.



If the premises are occupied or are about to be, pack the dome with Siliphos spheres, replace the filler plug and tighten with the spanner supplied. Turn on the supply and replace the cover, making sure it 'clicks' into position. This opens the valves and allows water to flow. Check for leaks.

If the premises are empty and the occupation date is uncertain it is NOT RECOMMENDED to fill the unit with Siliphos but leave the pack for filling later. Siliphos immersed in water for more than 2 months without regular flow may crumble and allow particles to enter the system.



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