

# SpiroPlus LimeCleaner

## **Application**

SpiroPlus LimeCleaner is a liquid, highly concentrated detergent for removing lime deposits and minor iron contamination from radiators, pipes and heat exchangers in water-carrying systems. Removal scale takes out accumulations of dirt in pipes and ensures optimum heat transfer. This results in a reduced use of energy. SpiroPlus LimeCleaner can be used with all metals usually found in heating systems, such as carbon steel, galvanised steel, stainless steel, copper, copper alloys and aluminium. If aluminium is present, limit the contact time to max. 2 hours. SpiroPlus LimeCleaner can also be used for cleaning drinking water devices, but proper flushing is required before putting the system into operation again.

## **Specifications**

SpiroPlus LimeCleaner has been composed based on organic acids and specifically selected dispersing substances. The product performance is based on gassing, ensuring that there are no scale residues.

## **Dosage**

The recommended concentration of SpiroPlus LimeCleaner is 10% v/v for cleaning systems and boilers and a concentration of 50% for cleaning drinking water devices. The cleaning performance of the product can be accelerated by heating the circulating solution, but make sure that the temperature does not exceed 60°C.

After cleaning, empty the system and flush it at least 3 times until clear water is obtained. First collect and neutralise the drained water before discharging it into the sewer system. In case of drinking water systems flush the system at least 5 times before putting them into operation again. When putting the cleaned system into operation, it is advised to add SpiroPlus Protector to prevent development of new corrosion and scaling.

## **Checking**

The performance of SpiroPlus LimeCleaner can be checked by determining the pH-value of the solution. If the pH-value exceeds 4.0, add extra SpiroPlus LimeCleaner.

## **Safety regulations**

SpiroPlus LimeCleaner is a safe product. Nevertheless, if there is any contact with the skin or the eyes during use, it is always advisable to amply rinse with water. As always when working with additives, we advise to wear appropriate clothing, gloves and goggles when handling the product.

## **Packaging**

SpiroPlus LimeCleaner is available in cartons of 12 x 1 litre bottles or polyethylene containers of 10 litres.

## **Remarks**

For further information please contact Spirotech bv.

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