

UniSoft® - Softening Filters



Guldager's UniSoft® softening systems with capacities between 400 litres/day and 15,000 litres/hour.

Soft water is a prerequisite for professional dishwashing with a shining result and no calcium stains.

The Guldager UniSoft softening units consist of elements thoroughly tested in all types of large-scale kitchens over many years. The filters are made of glass-fibre reinforced polyester. The housing is moulded of material dyed in the mass with a cleaning-friendly surface. Guldager UniSoft softening filters are available in all sizes and capacities adapted to all types of dishwashers and water-consuming ovens. The UniSoft softening filters use ion exchange to remove all the calcium and magnesium salts which would otherwise accumulate as a greyish-white deposit on the inside surface of the dishwasher and ruin the heating elements. UniSoft prevents calcium stains on glasses and keeps tableware shiny.

Hard water contains lime and magnesium salts, which are replaced in the softening system by sodium salts - thus softening the water. When the system has softened a certain amount of mains water, the filter materials will be saturated with lime and magnesium salts. The system must then be cleaned with a salt solution to remove the lime and magnesium salts which have been retained. These salts can then be drained off. At the same time the filter materials are regenerated, and are once more capable of softening a certain amount of mains water containing lime.

Guldager softening units are used in laundries in residential complexes, large-scale laundries, dyeing plants, boiler plants, cooling towers and for pre-treatment of water for Reverse Osmosis units, etc.