

# UniSoft® 9000

## Industrial water softening



Guldager's volume controlled softening filters are duplex plants, delivering softened water continuously 24/7.

Volume-controlled water softening provides a constant supply of softened water. The system auto-regenerates when required. Consequently, the consumption of water and salt is reduced by 25 % compared to a traditional time controlled plant.

The UniSoft 9000 series is available in 6 sizes with a capacity from 2000 - 15000 litres per hour. Upon request, we make individual calculations if special needs or consume patterns are to be taken into account.

The UniSoft 9000 series is made of non-corrosive materials. Softened water is used in the regeneration process. This means a longer lifetime of parts exposed to abrasion.

Guldager also delivers and projects time- and volume controlled softening units in all sizes. Capacity ranging from from 0,5 m<sup>3</sup> to 200 m<sup>3</sup> per regeneration at 20 °dH, and a flow from 50 l/min to 500 l/min.

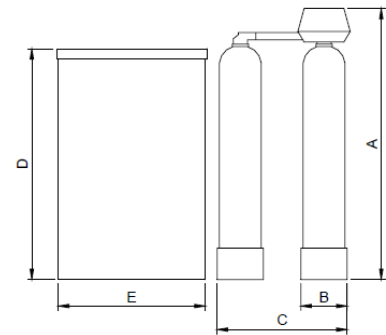
### Application:

- Pre-treatment for Reverse Osmosis
- Cooling towers
- Industrial purposes
- Washing machines
- Humidifiers
- Other processes where scale causes problems



## Function

Volume controlled softening filters in the UniSoft 9000 series are used in systems, where a continuous delivery of softened water is required. The built-in water meter registers the consumption and changes automatically between the two filters. While one filter is in operation the other one is regenerated and in stand-by position, until new capacity is required.



### Technical data

UniSoft® 9000 series	9020	9035	9050	9075	9100	9150
Capacity at 1 °dH, m <sup>3</sup> /h	40	70	100	150	200	300
Capacity at 10 °dH, m <sup>3</sup> /h	4	7	10	15	20	30
Capacity at 20 °dH, m <sup>3</sup> /h	2	3,5	5	7,5	10	15
Water pressure, min., bar	1,5	1,5	1,5	1,5	1,5	1,5
Water pressure, max., bar	8	8	8	8	8	8
Temperature, max. °C	35	35	35	35	35	35
Electrical connection, Volt/Hz	230/50	230/50	230/50	230/50	230/50	230/50
Pipe connection, IN/OUT, RG"	1"	1"	1 1/2"	1 1/2"	2"	2"
Salt consumption, kg/reg.	3	5	16	23	34	47
Measure height, mm	1185	1289	1845	1815	2185	2345
Measure B, mm	210	257	369	552	610	770
Measure C, mm	460	554	778	1144	1260	1580
Measure D, mm	630	630	1000	1000	2x1060	2x1130
Measure E, mm	467	467	530	530	2x710	2x910

## Guldager Service

Our worldwide service includes spare parts availability, maintenance, repair and modernization. This approach enables us to guarantee the quality and value of your systems.

**For technical assistance please call tel. +45 48 13 44 00.**