

The High Quality Route to clean water.



# Water Softeners with Ion Exchangers resins



## Treasoft<sup>®</sup>

### The Source for water systems Equipment!

Through softening the calcium and magnesium salts in the water are exchanged for sodium salts that do not cause the disadvantages of hard water. The method is used in industries and institutions for treatment of water for steam boiler plants and district heating plants, laundries, cooling towers, rinse processes, washing, dishwashing etc. Flow rates for standard modules: Up to 100 m<sup>3</sup>/h per unit. The plants are produced as one-tank plants and multi-tank plants as well as cold water plants and hot water plants. The filter tanks are made of steel of FRP and coated with polyethylene. Each plant is supplied with a control unit adapted to the job. The plant can either be timer controlled or meter controlled. Meter control gives the best average water quality and economy. The broad programme makes it possible to choose the optimum plant for the project whether the need is continues or discontinues water supply. Frame-mounted two-tank plants ensure a short installation time. The choice of materials and the simple and robust design of both plant and valve unit result in a long plant life, 25 years are not unusual.

The name TREATMENT<sup>®</sup> stands for reliable pure water technology and satisfied customers. In all areas where pure water is required TREATMENT<sup>®</sup> provides clear solutions.

- Optical industry
- Electronic industry
- Metal processing
- Glass industry
- Pharmaceutical industry
- Chemical industry
- Brewing industry
- Laboratory
- Medical technology



EFFICIENT & COMPACT

LOWER COSTS

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### The Principle of water softeners

The softening plants are based on the effect of ion exchange. The ion exchange medium consists of granulated, solid material out of synthetic resin plastic with active exchanger groups. Because of that the synthetic resin plastics are able to change anion or cations. Cation are removed and replaced by sodium – ions .The resin has to be regenerated with NaCl at hardness breakthrough, the design of softening plant is based on the total hardness which is the summation of all Ca/Mg – ions. Treatment<sup>®</sup> softening plants are perfecting plants and all produced ready for use. If the exchanger capacity of you plants has up to 5000 ppm CaCO<sub>3</sub> you will get your ion exchange resins together with your plant .this resins will be in regenerated condition and filled in the pressure tanks with all other types of plants you get your ion exchange resin in bags.

The individual cases for application where soft water is required set different demands on design and Performance of a water softeners system Treasoft<sup>®</sup> systems meet these Individual demands. During the Planning of water softeners Systems TREATMENT<sup>®</sup> specialists draw on practical Standardized system components without Neglecting user Demands. This allow customer orientated Solution and offers at the same time the assurance of a successfully operating System as well as modern, economical series production. This kind of state of the art production practiced at TREATMENT<sup>®</sup> for a long time has contributed most decisively To Treasoft<sup>®</sup> Systems not being easily beaten in their price Performance Ratio.



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**Treasoft<sup>®</sup>**  
Remarkably high exchange rates

Hi quality ion exchanges are used in Treasoft<sup>®</sup> water softeners systems. These special resins are characterized by their remarkably high exchange rates and lower regenerate consumption. A further benefit is the regeneration technology with RFR Reverses flow regeneration with up to 50% less in regenerate consumption and regenerate recovery in large systems. These special technologies with advanced control systems with PLC, MMI and remote controlling contributed to Treasoft<sup>®</sup> Systems not being easily beaten in their price Performance Ratio.

TREATMENT<sup>®</sup> supply tree types of water softeners:

Series	Capacity m <sup>3</sup>	Flow Rate m <sup>3</sup> /h
SIMPLEX	7 - 240	3 - 40
DUPLEX-Simple	7 - 240	3 - 40
DUPLEX-Pro	30 - 1000	10-100



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