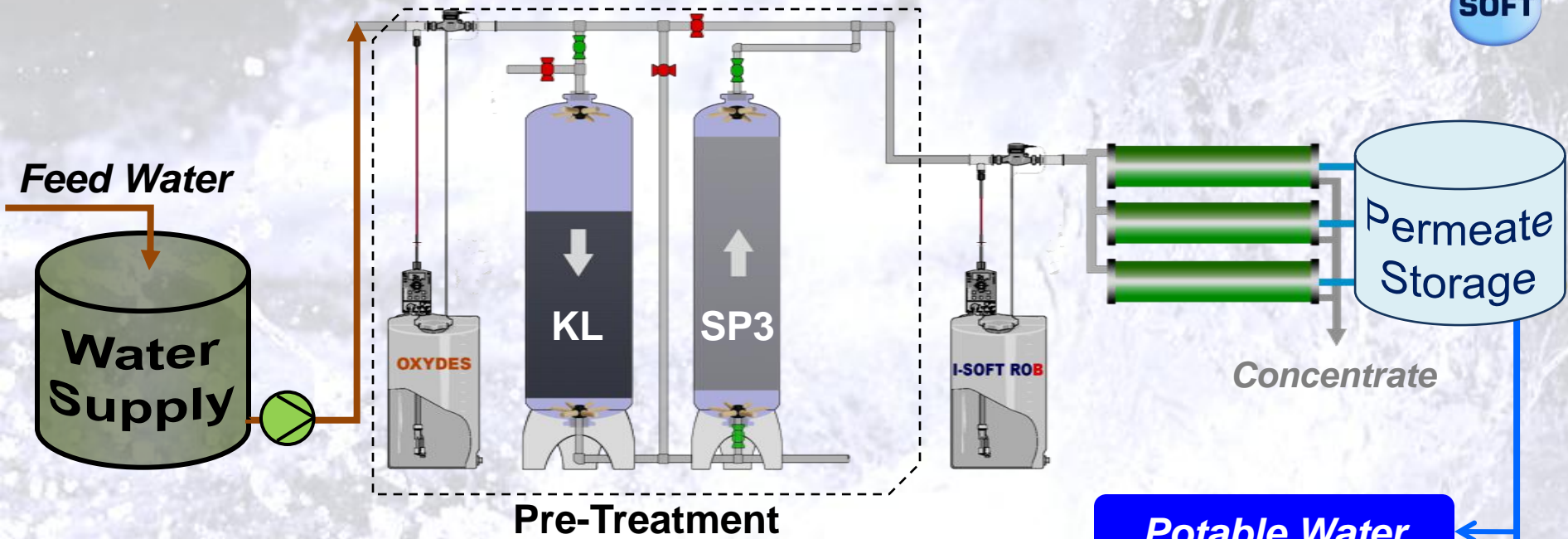
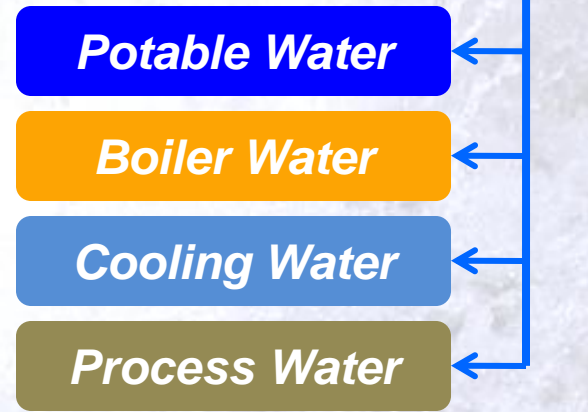


MEMBRANE - Program

Antiscalants & Dispersants



- Pretreatment is a heart of the membrane technology
- Scale control increases the membrane life
- Disinfection improves the whole process performance and water quality



With **INSTANT** membrane program, water production can be maximized and
OPERATION COSTS REDUCED AND MINIMISED

MEMBRANE - Program



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Scale Prevention

For any type of membrane treatment

- Calcium and Magnesium carbonate scale control
- Barium and Strontium scale control
- Heavy metal scale control
- Calcium and magnesium sulfate scale control
- Calcium phosphate scale control
- Calcium silicate scale control
- Mineral scales and deposits

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SOFT
ROB



SOFT

- ❖ Can be used in cooling water application
- ❖ Can be used to prevent any mineral scaling
- ❖ Can be used in cooling water applications
- ❖ Controls Silica at > 300 mg
- ❖ Includes **corrosion inhibitor**

Fouling Prevention

Water everywhere and most of it is in Antiscalants and Dosing chemicals but read about Instant technology

Watch antiscalant technology includes specialized formulations based on multi-component blends to combat

Scaling, Fouling and Micro-biological Problems

The result is improved products, improved economy, better efficiency, longer membrane life and stable system operation.



ROB

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SOFT
ROB

MEMBRANE - Program



Membrane Fouling Prevention and Removal

Membrane fouling is often caused by not using the right pre-filtration. **Katalox Light**[®] filtration can control most of the following fouling substances and avoid dosing unnecessary chemicals and chemical cleanings.

IRON in most waters is a common type of fouling substance which is found on membrane surfaces. Iron can be easily removed by **Katalox Light**[®] from all feed waters. Another reason of Iron in feed water is overdosing of ferric based coagulants and corrosion coming from pipes and distribution systems.

MANGANESE in feed water is as common as iron fouling, when water containing manganese is oxidized, insoluble colloidal hydroxide particles are formed which blocks the membranes. So, **Katalox Light**[®] Filtration is must with Manganese in any feed water.

ALUMINO SILICATE (CLAY) – Using sand filters or any products made by using crystalline Silica can give a aluminum and silica scaling on membrane which is very difficult to remove from membrane surface.

Avoid every cleaning:

Successful membrane treatment can avoid all cleaning chemicals and therefore it is very important to use the right pre-treatment. Most of the fouling substances like organics, iron and inorganic scales can be removed by using **Katalox Light**[®].