

**Water Softening**

**Replacing Water Softeners**

**WATCHER**<sup>®</sup>  
WATCH WATER  
*a Water Company*

RED-OXY TREATMENT  
FILTRATION  
ADSORPTION  
FILTERS ORB  
INSTANT PRODUCTS  
SYSTEM DIVISION

# REVERSE OSMOSIS SOFTENING ROSOFT

**ROSOFT**<sup>®</sup> with the ability to inhibit and disperse scale forming compounds such as

- Calcium Sulfate
- Calcium phosphate
- Barium and Strontium Sulfate
- Metal Oxides
- Virus and Bacteria

**Watch Water**<sup>®</sup> **ROSOFT**<sup>®</sup> is replacing the use of water softeners. **No more salt and no more Eutrophication.** In addition to the broad spectrum protection **ROSOFT**<sup>®</sup> provide from small to large flow applications and the **cost of softening** becomes prohibitive. The comparison table is shown on [page No.2](#). We have made a overview of the costs associated to operating a water softener system compared to that of applying **ROSOFT**<sup>®</sup> dosing at various concentrations of **Water Hardness**.

**“No Body Will Install These Lousy Water Softeners Anymore”**

**ROSOFT**<sup>®</sup> **One Product with Multiple Benefits.**

You Will find out much more of this new discovery of **ROSOFT**<sup>®</sup> on our website.



**ROSOFT**<sup>®</sup> is a multifunctional antiscalant for **RO membranes** allowing operations at high recovery rates from various feed water sources as.

- Seawater
- Brackish-Water
- Surface-Water
- Waste-Water

## MULTIFUNCTIONAL

- ☐ Always keeps the membrane surface free from any scale corrosion and biofouling.
- ☐ **ROSOFT**<sup>®</sup> helps maximizing the production capacity while enhancing the energy footprint of the plant
- ☐ Reliable and efficient water reuse operations with **Watch Water**<sup>®</sup> **ROSOFT**<sup>®</sup>

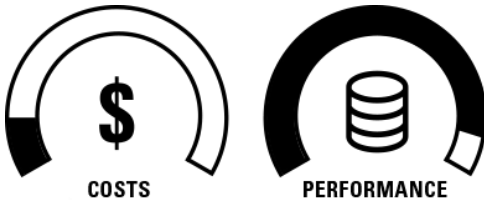


# Water Softener **VS.** WATCH ROSOFT

One of the major revolution for Reverse Osmosis Pre-treatment is ROSOFT

## Pretreatment : Water Softener

Feed flow rate of **100 GPM** and an **RO recovery** of **75%**. System is a **duplex water softener**. Sodium chloride salt for water softener **regeneration cost \$0.16 per pound**.



Hardness (mg/l)	Capital Cost (Equipment)	Salt Cost (\$/year)	Equipment Life (Years)
10	\$25.000	\$1.800	10
20	\$25.000	\$3.600	10
50	\$50.000	\$9.000	10
100	\$50.000	\$22.500	10
250	\$50.000	\$45.000	10

**ROSOFT<sup>®</sup> DOSAGE** range from **3-6 mg/L** depending on the water hardness. **ROSOFT<sup>®</sup>** is available only as instant powder and diluted just before usage. Lower or **lowest operating cost** that all other products (Antiscalants) in the market. **ROSOFT** works up to 200 Grains of hardness. **No salt, No Regeneration required.**

## Pretreatment : ROSOFT

Hardness (mg/l)	Capital Cost (Equipment)	ROSOFT <sup>®</sup> Cost (\$/year)	Equipment Life (year)
10	\$2000	\$1200	20
20	\$2000	\$1200	20
50	\$2500	\$1200	20
100	\$2500	\$1500	20
250	\$3000	\$1750	20



## Key Benefits:

- **NO PHOSPHONATES** and performs much better than phosphonate blended Antiscalants.
- **ROSOFT<sup>®</sup>** keeps the scaling and **fouling** forming **Ion's** (Cation's & Anion's) soluble in the super saturated concentrate for 2 or 3 pass **Reverse Osmosis**.

To know and learn more about this huge potential of ROSOFT please contact us: