





Water is our most important resource in industrial production and in many fields.

Water contains dissolved solids causing hardness ions/inorganic salts and suspended solids.

As the amount of these ions increases, crystals form.

These crystals cause crusting and precipitation.



## **ANTISCALANS**

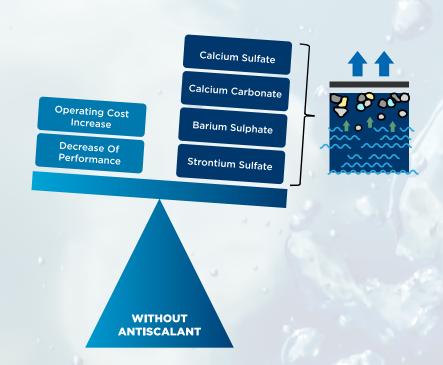
## **Anti-Scale**

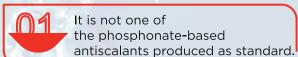
## **Anti Scaling Agent & Dispersant**

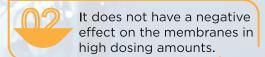
Water passing through reverse osmosis devices causes deposits on the membrane.

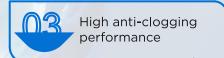
The use of antiscalants is necessary for the membranes to work without clogging and to have a longer life.

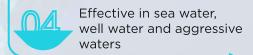
METHODS	DETAILS	ADVANTAGES	DISADVANTAGES  Requirement of additional equipment; corrosion problem, etc.		
FEED WATER PRETREATMENT	Softening, pH adjustment, and the use of larger pore size membrane.	Reduce the amounts of scaleforming ions in feed water; reduce the scaling propensity,			
THE OPTIMIZATION OF OPERATIONAL PROCESSES	Feed water characteristics, crossflow velocity, the design of feed spacer, applied pressure, hydrodynamic conditions, the setting of membrane cleaning or target recovery.	Improve membrane surface environment; remove existing deposits.	Membrane damage caused by high pressure and frequent cleaning; increase energy consumption; reduced permeate production, etc		
THE DEVELOPMENT OF NOVEL MEMBRANE MATERIALS	Surface modification, physical blending	Improve the antifouling performance of membrane.	Relatively high cost and not commercializable yet		
THE ADDITION OF ANTISCALANT	Inhibit scale formation by chelation, dispersion, crystal distortion and threshold effect.	Achieve high water recovery; simple operation; high cost performance,	Increased biofouling; phosphorus emissions; difficult concentrate disposal.		
		CONTRACTOR OF THE PARTY OF THE			

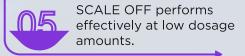




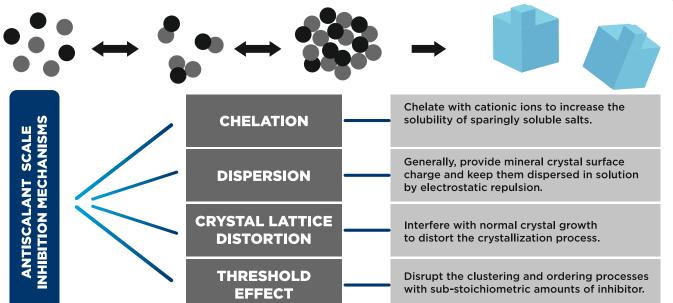










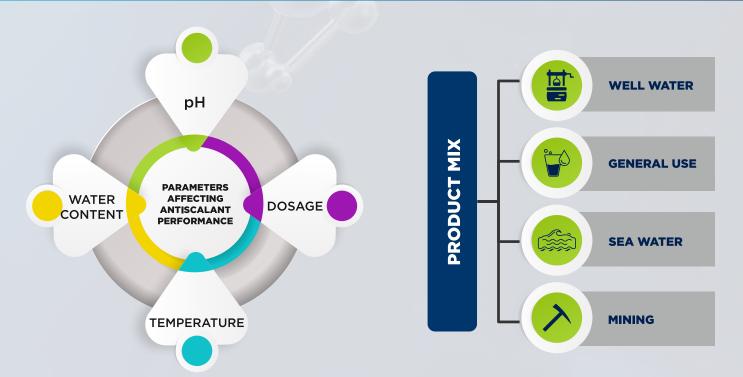




# SCALEOFF

## **ANTISCALANT**

It is designed to increase the efficiency of reverse osmosis systems with chemicals produced in ISO 9001-14001 quality standards. Our products are formulated with approximately 10000 raw water and osmosis water analysis data in our database.





## SCALEOFF 1000

#### **SCALE OFF 1010**

Effective Against Iron, **Manganese and Phosphate** 

## **SCALE OFF 1020**

Effective against Iron, Phosphate, Calcium, Sulfate and Magnesium

## **SCALE OFF 1030**

Superior performance against Iron, Phosphate, Calcium, Magnesium, Sulfate and Silica

## SCALEOFF 2000

## **SCALE OFF 2010**

Effective against Magnesium, Iron and Silica

#### **SCALE OFF 2020**

Effective against Calcium, Sulfate, Iron

## **SCALE OFF 2030**

Effective against Calcium, Magnesium, Sulfate, Iron, Silica and Manganese

## **SCALE OFF 2040**

Superior performance against Calcium, Magnesium, Sulphate, Iron, Manganese



## SCALEOFF 3000

## **SCALE OFF 3010**

Effective against Calcium, Sulphate, Iron and Phosphate

## **SCALE OFF 3020**

Effective against Calcium, Magnesium, Sulfate, Iron, Manganese, Chlorine and Silica

## **SCALE OFF 3030**

Superior performance against Calcium, Magnesium, Sulphate, Iron, Manganese, Phosphate, Chlorine and Silica

<b>≥</b> Deser	SCALE <b>OFF</b> 1010	SCALE <b>OFF</b> 1020	SCALE <b>OFF</b> 1030	2010	SCALE <b>OFF</b> 2020	2030	2040	3010	3020	SCALE <b>OFF</b> 3030
FEED WATER SOURCE	GENEREL USE	GENEREL USE	GENEREL USE	WELL WATER	WELL WATER	WELL WATER	WELL WATER	SEAWATER	SEAWATER	SEAWATER
CALCIUM	••	•••	••••	••	•••	•••	••••	•••	••••	••••
MAGNESIUM	••	•••	••••	•••	••	•••	••••	••		••••
SULFATE	•	••	•••	••	•••	•••	••••	•••	•••	••••
IRON	••••	••••	••••	••••	••••	••••	••••	•••	••••	•••
FOSFAT	•••	•••	•••	•••	•••	••	••••	•••	•••	•••
SILICA	••	••	•••	•••	••	•••	••	••	•••	•••
MANGANESE	••••	•••	•••	•••	•••	•••	••••	6	••••	••••
CHLORINE	•	•	•	•		•	•	••	•••	••••



Very Good Effect









@deserkimya in Deser Kimya

www.deserkimya.com

O Ostim Teknopark Turuncu Bina Cevat Dündar Cad No:1/1 İç Kapı No:64, Yenimahalle ANKARA