PRODUCTS CATALOG

bimaks

INNOVATIVE AND EXPERT SOLUTIONS IN WATER TREATMENT

BIMAKSKIMYA.COM.TR

ABOUT US

BIMAKS is a leading company providing high-performance chemicals for the water treatment industry.

Our aim is to provide our customers with the most updated products, reliable technical service, and efficient logistical support through research and business development activities.

Incorporating production and marketing functions into its structure. BIMAKS was founded by an expert in the business with his innovative development know-how and environment-sensitive recipes. BIMAKS has created itself a name as a customer-oriented service company.

Teamwork, knowledge sharing, and openness to development are the main pillars of BIMAKS' business concept. Our objective is to provide our customers with the most logical and sustainable solutions to achieve the best quality water in the industry.

APPLICATIONS

We work closely with our customers to understand their needs and the challenges they face.

This, in turn, allows us to deliver products and services which are tailored to our customer's needs.

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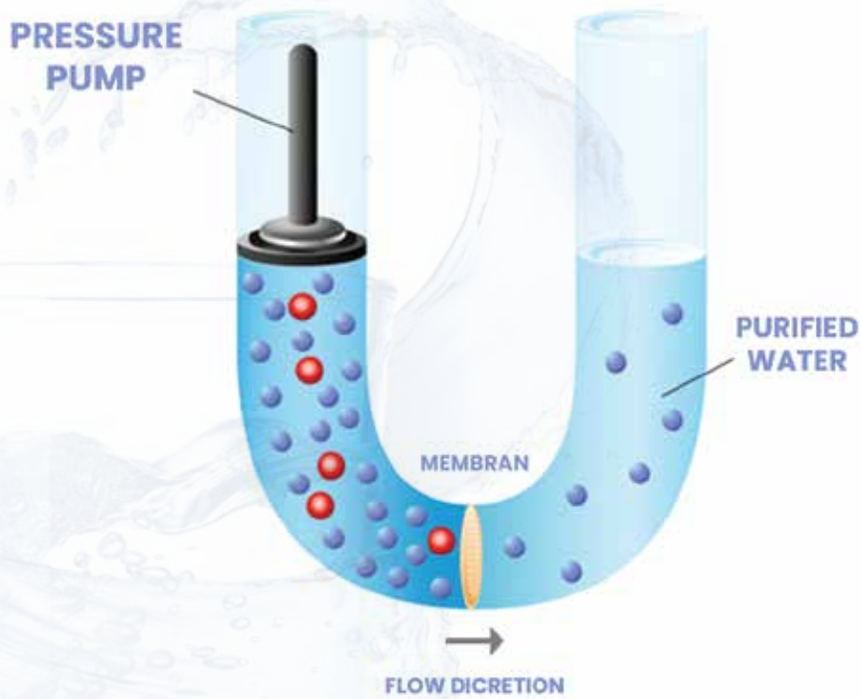
REVERSE OSMOSIS TECHNOLOGIES

The Reverse Osmosis system is based on the technology that water with a high concentration of contaminants (the source, which can be Brackish water as well as seawater) is forced into a tank containing water with a lower concentration of contaminants (the processed water). In this process, the water is forced through a semipermeable membrane. This membrane allows purified water to pass through while blocking most of the contaminants.



A reverse osmosis system allows converting highly contaminated surface water and sea water into safe, potable quality water. Reverse osmosis technology is applied widely by industries and household users. BIMAKS designs and produces special chemicals which increase the operational efficiency of all types of reverse osmosis systems. Through our products, we reduce our customer's processing costs and increase the life cycle of expensive filter membranes.

American EPA (Environmental Protection Agency) SDWA (Safe Drinking Water Act .)

has approved Reverse Osmosis system as the best technology and safe water system .

REVERSE OSMOSIS SYSTEM

PRE-TREATMENT CHEMICALS

Coagulation and Flocculation Chemicals

RO chemicals are designed for cleaning oil and hydrocarbon-based impurities on microfiltration (MF) and ultrafiltration (UF) membrane systems.

RO chemicals to eliminate Iron and Calcium deposits off the MF and UF membrane systems.

What are the benefits of using pre-treatment chemicals?

Improve the performance of pre-membrane equipment.

Prevent biological accumulations.

Provide microorganism control for membrane systems.

ANTISCALANT

Antiscalant is a chemical additive for reverse osmosis systems that are highly effective in preventing the formation of scale on the membranes. The Antiscalant is normally injected into feedwater before it enters the reverse osmosis system.

Calcium carbonate, calcium sulphate & iron (NSF approved)	**MAKS 400P**
High calcium & silicate feedwater	**MAKS 401**
Calcium sulphate, calcium carbonate & iron (high performance)	**MAKS 402**
Calcium carbonate & iron (high alkalinity feedwater)	**MAKS 403**
High calcium and silicate (for small RO systems)	**MAKS 411**
Microbiological contamination and mineral deposits	**MAKS 412**
Calcium carbonate, calcium sulphate, iron & antifoulant	**MAKS 437**
High silicate & calcium	**MAKS 420**
Sea water applications	**MAKS 430**
Calcium sulphate & barium sulphate	**MAKS 804**
Sea water applications	**MAKS 830**
High silicate & calcium	**MAKS 845**
Calcium carbonate, calcium sulphate & iron	**MAKS 880**

The Benefits of Antiscalant Usage

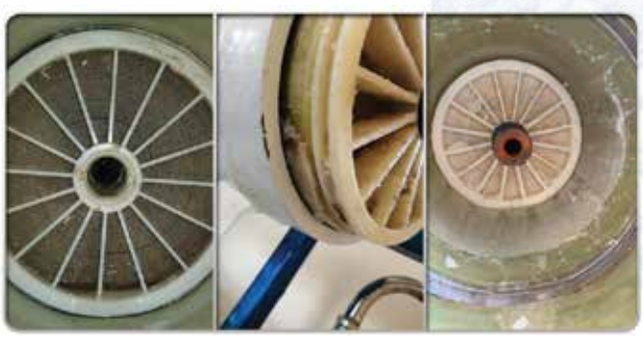
- You may reduce or eliminate acid consumption
- Your membranes will operate at higher recoveries.
- High performance even at low dosages.
- Bimaks antiscalants are compatible with all membrane types.

MEMBRANE CLEANERS

- Efficient removal of carbonate, phosphate, and sulfate scales.
- Removal of polymerized silica and silica polyvalent metal co-precipitants.
- Dissolution of iron and manganese oxide, manganese hydroxide, and sulfide deposits.
- Penetration and dispersion of biological slime.
- Removal of heavy organic foulants, cationic polymers, and hydrocarbons.
- Dispersion of silt and clay deposits.

Advantages

- Reduced cleaning time.
- Effective at lower concentrations.
- Removing stubborn foulants from membrane surfaces.
- Safe use with membranes in potable water systems.



BEFORE

AFTER

CLEANING PRODUCTS

Removal of organics - UF membranes	**MAKS 464**
Removal of metal oxides - UF membranes	**MAKS 466**
Organics & biofilm removal - RO membranes	**MAKS 467**
Alkaline RO membrane cleaner - (powder form)	**MAKS 468**
Alkaline RO membrane cleaner removal of organics & metal oxides	**MAKS 482**
Alkaline RO membrane cleaner removal of organics & metal oxides	**MAKS 483**
Acidic RO membrane cleaner - (powder Form)	**MAKS 491**
Acidic RO membrane cleaner removal of silicate, aluminum, iron & manganese	**MAKS 494**

MICROORGANISM CONTROL AGENT

Microorganism control agent for cleaning and feed water	**MAKS 471**
Microorganism control agent for cleaning or preservation on standby	**MAKS 473**
Microorganism control agent cleaner and biofilm removal	**MAKS 486**
Microorganism control agent for RO feed water	**MAKS 487**

POST TREATMENT CHEMICALS

- Corrosion inhibition of distribution systems
- Protection for iron, steel and galvanized piping systems
- Protection of lead and copper plumbing.
- Sequestering of hardness and insoluble iron deposits.

Advantages

- Reducing the formation capacity of THM in the presence of chlorine.
- Remarkable reduction in corrosion and leaching of lead from piping.
- Water quality and color improvement due to reduced iron content.

PROTECTIVE PRODUCTS

Corrosion inhibitor for RO outlet	**MAKS 490**
Dechlorination of RO inlet water (includes organic catalyser)	**MAKS 493**

SEA WATER EVAPORATORS

ANTISCALANTS	
Scale and fouling in MSF plants (neutral)	**MAKS 450**
Scale and fouling in MSF plants (acidic)	**MAKS 451**
Antiscalant/Antifoam for MSF plants (acidic)	**MAKS 452**
Scale and fouling in MSF plants	**MAKS 453**
Antiscalant/Antifoam for MSF plants	**MAKS 454**
To control foaming and priming in seawater distillation plants	**MAKS 455**

EXCELLENT PRODUCT QUALITY

BIMAKS is proud to supply its high-performance chemical products developed with the most updated technology. Our R&D team supports BIMAKS in its efforts to provide our customers with tailor-made solutions. As BIMAKS, we provide our products with high-quality levels and quality assurance.

FAST AND RELIABLE SERVICE

BIMAKS, in its service laboratory, performs the customer water sample analysis to the highest accuracy in a short time. By entering the report's data, BIMAKS Antiscalant Software Program identifies your reverse osmosis problems and selects the most effective Antiscalant and the corresponding dosage rate. Our engineers are at your service throughout the operation; until a sustainable result is achieved.

PILOT APPLICATIONS

At BIMAKS, we simulate the actual site of our clients in our pilot plants.

They are practical and mobile, hence easily made available for our clients.

These studies enable our engineers to provide efficient solutions to your scaling and contamination problems.

SYSTEM MONITORING & OPTIMIZATION

We are by your side during the commissioning period of your RO system and application of BIMAKS.

We help to select the optimum membrane system for our clients and formulate the most economical chemicals.

LABORATORY SERVICES

At BIMAKS, we can apply several analyses of feed water and membrane performance tests.

Also, we can recommend the correct dosage rates for our antiscalants, coagulants, and flocculants.

MEMBRANE AUTOPSY

We perform the membrane autopsy on the membrane layer surfaces.

Deposits, scale formations, and specific foulants are identified.

Relying on the result obtained we recommend the best suitable cleaning method.

BOILER WATER TREATMENT

OXYGEN SCAVENGERS	
Catalyzed oxygen scavenger liquid SMBS	**MAKS 1100**
Catalyzed oxygen scavenger liquid sodium sulphite - RO feed	**MAKS 1102**
Catalyzed oxygen scavenger powder SMBS	**MAKS 1110**
Catalyzed oxygen scavenger liquid DEHA	**MAKS 1121**
Oxygen scavenger - Carbohydrazide based	**MAKS 1122**
Oxygen scavenger - Hydrazine based	**MAKS 1123**

SCALE INHIBITORS	
Effective for softened alkaline feed water	**MAKS 1200U**
For low alkalinity softened or demineralized or RO feed water (add alkalinity & PO4)	**MAKS 1200**
For low alkalinity softened or demineralized or RO feed water (add alkalinity & Disp.) (non phosphate)	**MAKS 1232**
Special scale inhibitors, cleaners and removers - Online cleaner	**MAKS 1240**
Powerful scale inhibitor & on-line cleaner	**MAKS 1241**

CONDENSATE CORROSION INHIBITORS	
CO2 corrosion inhibitor for all areas of complex condensate lines	**MAKS 1300**
CO2 corrosion inhibitor for steam and complex condensate systems	**MAKS 1301**
CO2 corrosion inhibitor for medium condensate lines or small condensate systems	**MAKS 1310**
CO2 & O2 corrosion inhibitor all areas of complex condensate lines	**MAKS 1320**
Organic filmer and neutralizing amine	**MAKS 1330**
Organic filmer and neutralizing amine (high alkalinity)	**MAKS 1341**

OTHERS	
Organic based defoamer	**MAKS 1610**
Alkalinity booster	**MAKS 1619**
Boiler protection on standby	**MAKS 1640**
Boil-out compound	**MAKS 1670**
Hot water boiler treatment (soft feedwater)	**MAKS 1680**

MULTIFUNCTIONAL TREATMENT	
Oxygen scavenger and scale inhibitor & removal (high alkalinity feed water)	**MAKS 1415P**
Oxygen scavenger and scale inhibitor & removal (RO & remineralized feed water)	**MAKS 1420**
Oxygen scavenger and scale inhibitor (for RO and demineralized water)	**MAKS 1425**
Oxygen scavenger and scale inhibitor (for soft feedwater & scale removal)	**MAKS 1440**
Oxygen scavenger, scale inhibitor, condensate protection (for soft feedwater & scale removal)	**MAKS 1550F**
Oxygen scavenger, scale inhibitor, condensate protection (for RO and demineralized water)	**MAKS 1560F**
Oxygen scavenger, scale inhibitor, condensate protection (with polyamin)	**MAKS 1570**

COOLING WATER TREATMENT

SCALE INHIBITORS	
For calcium sulfate, calcium carbonate	**MAKS 2100P**
High alkalinity and hardness	**MAKS 2101**
For high alkalinity, high heat and high hardness - non phosphate	**MAKS 2108A**
For hard feedwater systems (steel, copper)	**MAKS 2110A**
For high hardness and high alkalinity, very powerful	**MAKS 2117**
For hard feedwater systems with chlorine stabilizer (for all surfaces)	**MAKS 2911**

CORROSION INHIBITORS	
Effective for soft & RO feed water (environmental friendly)	**MAKS 2205 EF**
For soft feedwater systems (high conductivity) - Zinc based	**MAKS 2210**
Multifunctional porducts for corrosive and hard water - Zinc based	**MAKS 2215**
Multifunctional porducts for corrosive and hard water - Zinc based	**MAKS 2290**

OTHERS	
Cleaning and passivation product for new cooling systems	**MAKS 2240**
Effective for copper treatment - Azole based	**MAKS 2250**

CLOSED COOLING SYSTEM TREATMENT

CORROSION&SCALE INHIBITORS	
Effective for soft or demineralized feedwater systems (steel, copper)	**MAKS 3000**
Effective for soft or demineralized feedwater systems (aluminum)	**MAKS 3100**
Effective for all metal protection	**MAKS 3205**
Effective for soft or demineralized feedwater systems - Mainly molybdate based	**MAKS 3210**
Soft or demineralized feedwater systems (semi-closed systems) high protection with biocide	**MAKS 3300**

POTABLE WATER TREATMENT

CORROSION & SCALE INHIBITORS	
For soft water	**MAKS 5020**

MICROORGANISM CONTROL PRODUCTS

MICROORGANISM CONTROL PRODUCTS

Oxidizing microorgansim control agent - Bromine based	**MAKS 4000**
Non oxidizing, Non foaming microorgansim agent (cooling towers) (fast acting)	**MAKS 4071**
Non oxidizing, Non foaming microorgansim agent (cooling towers)	**MAKS 4080**
Non oxidizing, Non foaming microorgansim agent (closed systems)	**MAKS 4081**
Super concentrated non oxidizing, Non foaming microorgansim agent (cooling towers)	**MAKS 4085**
Non oxidizing, highly foaming microorgansim agent (cooling towers)	**MAKS 4112**
Concentrated non oxidizing, highly foaming microorgansim agent (cooling towers)	**MAKS 4115**
Concentrated non oxidizing, highly foaming microorgansim agent (cooling towers) super concentrated	**MAKS 4118**

OTHERS	
A combination of microorgansim agent compounds and biodispersant (cooling towers)	**MAKS 4132**
Biodispersant	**MAKS 4141**
Oil dispesant	**MAKS 4146**
Hypochlorite activity enhancer	**MAKS 4160**

MINING PRODUCTS	
Antiscalant for mining industry	**MAKS 400A**
Antiscalant for mining industry - non-phosphate	**MAKS 8070**

WASTE WATER CHEMICALS

Anionic polyelectrolyte	**MAKS 6110**
Cationic polyelectrolyte	**MAKS 6130**
Coagulant - Iron based	**MAKS 6160**
Coagulant - PAC based	**MAKS 6220**
Cationic coagulant liquid	**MAKS 6440**
Coagulant - aluminium sulphate based	**MAKS 6520**

GEOTHERMAL WATER TREATMENT

Products Benefits:

- Effective against scales formed by hardness salts and silica to increase the system efficiency and prevent tube failures.
- Prevents the formation of $CaCO_3$, $CaSO_4$, $BaSO_4$, $SrSO_4$, Si, MgO and MnO scales.
- Specially developed for high conductivity geothermal wells.

Scale inhibitor for hot wells (up to 170°C)	**MAKS 6285**
High performance - Super concentrated	**MAKS 6290**
Scale inhibitor for hot wells (up to 300°C)	**MAKS 6295**

INDUSTRIAL CLEANING CHEMICALS

Aluminum cleaner	**MAKS 109**
Scale, rust, oil, silicate, phosphate based deposit cleaner (SS surface)	**MAKS 125**
For iron oxide (rust) and hardness salts (copper and SS surface)	**MAKS 132**
Scale & rust powder cleaner (steel, copper, cast iron)	**MAKS 140G**
Neutral cleaner for sensitive metals containing systems	**MAKS 162**
Iron oxide (rust) & hardness salts cleaner	**MAKS 172**
Acid corrosion inhibitor	**MAKS 183**
Biocide tablet for air conditioning systems	**MAKS FAN COIL TABLET**
Plastics and P.E.T. cleaner in the recycling process	**MAKS P.E.T. CLEAN**

Cleaning product for polycarbonate & glass bottles	**MAKS BOTTLE CLEAN**
Super concentrated surface cleaner	**MULTI 16**
Alcohol - based hand cleaner - Gel	**DERMO 15**
Alcohol - based hand cleaner - Liquid	**DERMO 15L**
Stubborn & layered oil residuals, grease, wax, tar, carbon, scrum cleaner	**AQUA 10**
Oil & dirt cleaner	**AQUA 11**
Acid - free aluminum cleaner	**AQUA 12**

Gas Turbine Cleaners

Super concentrated gas turbine cleaner (1:19)	**MAKS GTC**
Concentrated gas turbine cleaner (1:4)	**MAKS GTC 1000**

ENVIRONMENT FRIENDLY

At BIMAKS, one of our main objectives is to release environmentally friendly ideas. We are fully aware of the critical importance of the environment for a healthy generation, a clean world, and a promising future. Through our modern and economical chemical solutions, we help you to create savings on water resources and your expenditures.

We believe that tomorrow's nature is created today.

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