

**INNOVATIVE AND EXPERT
SOLUTIONS IN
WATER TREATMENT**

Bimaks[®]

“Sustainable Saving Solutions”

ABOUT US

BİMAKS is a leading company in providing high performance chemicals, process aids, and test dosage equipment for the water treatment industry.

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

Embodying production and marketing functions in its structure. BİMAKS is found by an expert in the business with his innovative development know - how and environment sensitive recipes, has created itself a name as a customer oriented service company.

Team work concept, knowledge sharing and openness to development are main pillars of BİMAKS business concept. It is our objective to provide our customers the most logical and sustainable solutions in their effects to provide the best quality water for the industry.



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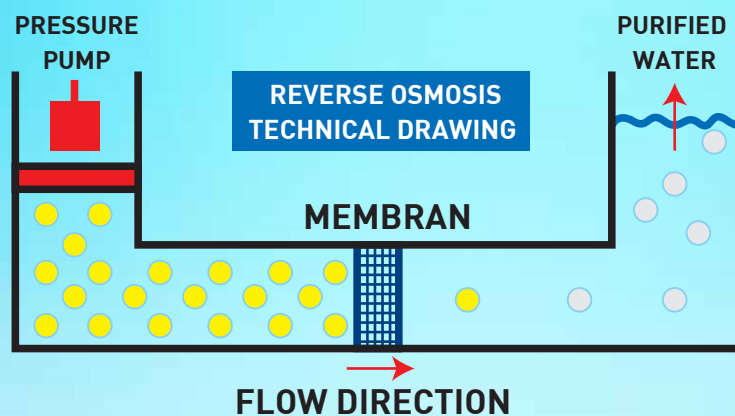
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REVERSE OSMOSIS TECHNOLOGIES

Reverse osmosis system is based on the technology that water with a great concentration of contaminants (the source water, can be brackish water as sea water) 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 semi permeable membrane. This membrane, allows the passage of water, while rejecting most of the contaminants.



Reverse osmosis system allows converting highly contaminated surface water and sea-water into safe, potable and drinkable quality water. Reverse osmosis technology is being utilized by drinking water bottlers and household users. BİMAKS, designs and produces special chemicals which will increase the operational efficiency of all types of reverse osmosis systems. Through our products; we reduce our customers' costs and increase the life cycles 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 designed for cleaning oil and other hydrocarbon based impurities on microfiltration and ultrafiltration 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 performance of pre membrane equipments.
- Prevent biological accumulations
- Provide through disinfection of membrane systems.



ANTISCALANT

Effective in preventing carbonate, phosphate and sulfate based scales,

Effective stabilization of Iron, manganese and other metal ions.

Prevents the problems of silica polymerization

Provides the dispersion of metal oxides, colloidal silicate and aluminum silicate.

Helps modification of crystal structure of precipitants.

ANTISCALANTS

Effective against calcium carbonate, calcium sulfate & iron	MAKS 400
High calcium & silicate feedwater (new)	MAKS 401
Effective against calcium sulfate, calcium carbonate & iron	MAKS 402
Effective against calcium sulfate, calcium carbonate & iron (high alkalinity feedwater)	MAKS 403
Effective against calcium carbonate, iron & silicate	MAKS 404
Effective against calcium carbonate, calcium sulfate & iron	MAKS 405
Effective against high silicate, calcium & iron	MAKS 406
Effective against calcium carbonate, calcium sulfate & iron	MAKS 407
Effective against calcium carbonate & iron (for small ro systems)	MAKS 410
Effective against high calcium and silicate (for ro systems)	MAKS 411
Effective against microbiological contamination and mineral deposits (new antiscalant including biocide)	MAKS 412
Effective chlorine reducing and mineral deposits inhibitor	MAKS 413
Effective against high silicate & calcium	MAKS 420
Effective against high silicate, calcium & organics (new high sdi)	MAKS 425
For sea water treatment (high performance) (new)	MAKS 426
For sea water treatment	MAKS 430

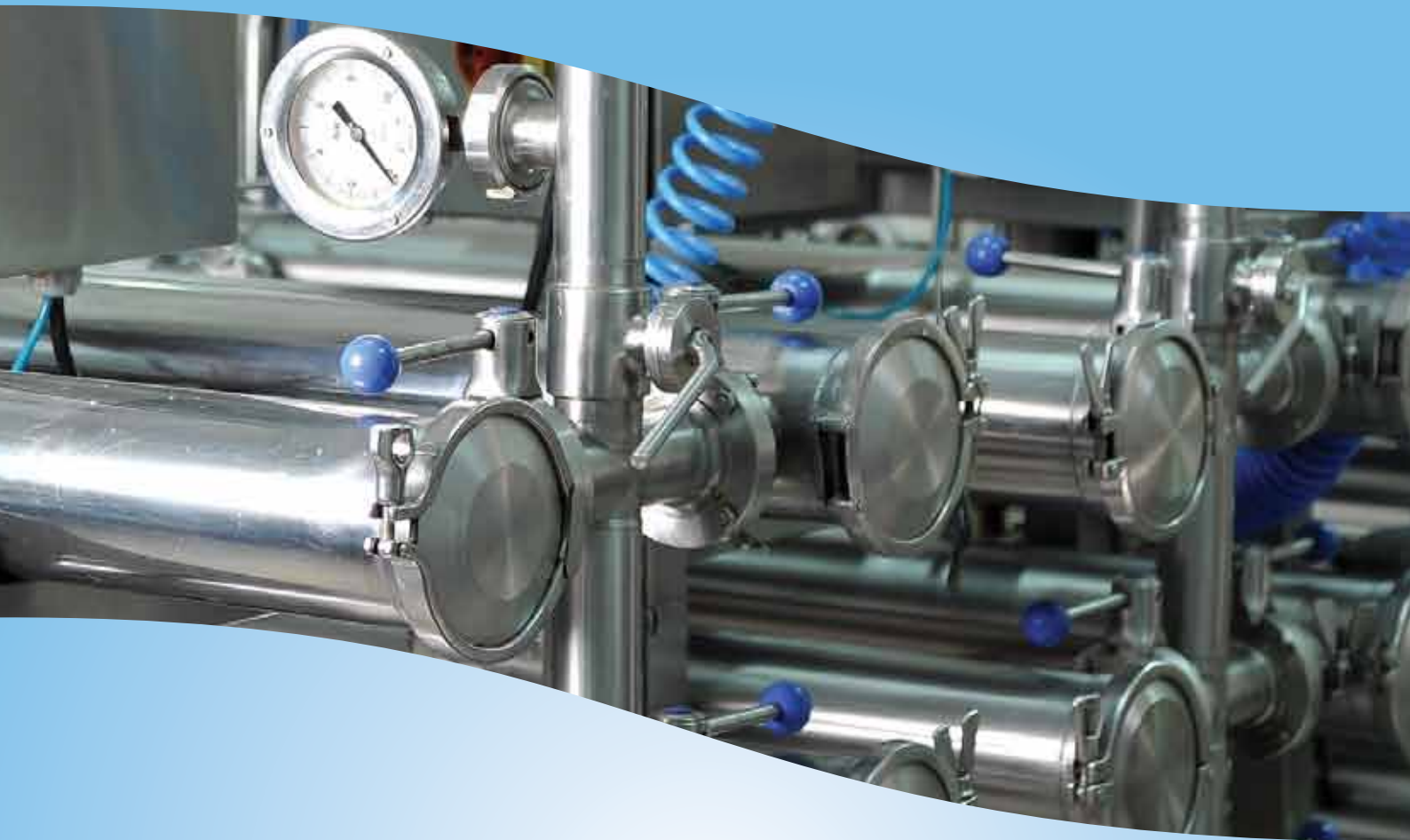
The Benefits of Antiscalant Usage

You may reduce or entirely 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 sulphate 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.



CLEANING PRODUCTS

Ultrafiltration membrane cleaner removal of organics (new)	MAKS 461
Ultrafiltration membrane cleaner removal of metal oxides (new)	MAKS 462
Membrane cleaner removal of calcium, iron & organics	MAKS 467
Membrane cleaner removal of organics & metal oxides	MAKS 482
Membrane cleaner removal of calcium, iron	MAKS 484
Membrane cleaner removal of silicate, aluminum & manganese	MAKS 494
Membrane cleaner removal of organics & biofilm	MAKS 485

BIOCIDES

Biocide for cleaning	MAKS 471
Biocide for cleaning or preservation on operation or standby (new)	MAKS 472
Biocide for cleaning or preservation on standby	MAKS 473
Biocide neutralizer (new)	MAKS 479
Effective biocide and biofilm removal (new)	MAKS 486
Biocide for feed water micro-organisms control (new)	MAKS 487
Biocide in tablet form for feed water micro-organisms control (new)	MAKS 488

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
Long term membrane preservation	MAKS 491
Removal of alkalinity in the RO inlet water (particularly for big systems)	MAKS 492
Removal of chlorine in th RO inlet water (includes organic catalyser)	MAKS 493



EXCELLENT PRODUCT QUALITY

BİMAKS is proud to supply its high performance chemical products developed to most updated technology. Our R&D supports BİMAKS in its efforts to provide our customers with tailor-made solutions. As BİMAKS we are able to present 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 and in short time. By entering the report's datas, Bimaks Antiscalant Software Program identify your reverse osmosis problems and select the most effective antiscalant and the corresponding dosage rate. Our technical service engineers are at your service throughout the operation; until a sustainable result is achieved. We think professional and apply professionally.



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 AND OPTIMIZATION

We are by your side during the commissioning period of your RO systems and application of Bimaks chemicals. We help to select the optimum membrane system for our clients formulate the most economical chemicals.



LABORATORY SERVICES

At Bimaks, we are capable of applying several analyses of feed water and membrane performance tests. Also, we are able to recommend the correct dosage rates of our antiscalants coagulants and flocculants.



MEMBRANE AUTOPSY

We perform the membrane autopsy on the membrane layer surfaces. Deposits, scales formations and specific foulants are identified. Relying on the results obtained we recommend the best suitable cleaning method.

BOILER WATER TREATMENT

OXYGEN SCAVENGERS

Catalyzed liquid for deaerated feed water	MAKS 1100
Catalysed powder for deaerated or non deaerated feed water	MAKS 1110
Catalyzed organic volatile for deaerated feed water	MAKS 1120
Catalyzed organic, FDA approved for deaerated feed water	MAKS 1130
Catalyzed organic FDA approved for non deaerated feed water	MAKS 1140

SCALE INHIBITORS

For softened alkaline feed water	MAKS 1200
For low conductivity required softened or demineralized or R.O. feed water	MAKS 1210
For low alkalinity softened or demineralized or R.O. feed water (add alkalinity & PO ₄)	MAKS 1220
For low alkalinity softened or demineralized or R.O. feed water (add alkalinity & Disp.)	MAKS 1230
For boiler systems without softeners (powerful scale inhibitor & on-line cleaner)	MAKS 1240

CONDENSATE CORROSION INHIBITORS

CO ₂ corrosion inhibitor for all areas of complex condensate lines	MAKS 1300
CO ₂ corrosion inhibitor for medium condensate lines or small condensate systems	MAKS 1310
CO ₂ & O ₂ corrosion inhibitor all areas of complex condensate lines	MAKS 1320
CO ₂ & O ₂ corrosion inhibitor for all areas of complex condensate lines (high alkalinity)	MAKS 1330
O ₂ & CO ₂ corrosion inhibitor for all areas of complex condensate lines (film forming)	MAKS 1338

DEFOAMER

Organic based defoamer	MAKS 1610
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MULTIFUNCTIONAL TREATMENT

Oxygens scavenger and scale inhibitor (low alkalinity feed water)	MAKS 1400
Oxygen scavenger and scale inhibitor (high alkalinity feedwater)	MAKS 1410
Oxygen scavenger and scale inhibitor (RO & remineralized feed water)	MAKS 1420
Organic oxygen scavenger and scale inhibitor (for raw feedwater & scale removal)	MAKS 1430
Oxygen scavenger and scale inhibitor (for raw feedwater & scale removal)	MAKS 1440
Oxygen scavenger, scale inhibitor, condensate protection (low alkalinity feedwater)	MAKS 1520
Oxygen scavenger, scale inhibitor, condensate protection (high alkalinity feedwater)	MAKS 1530
Organic oxygen scavenger, scale inhibitor, condensate protection (for raw feedwater & scale removal)	MAKS 1540
Oxygen scavenger, scale inhibitor, condensate protection (for raw feedwater & scale removal)	MAKS 1550

PH REGULATION

pH regulator	MAKS 1620
pH regulator & buffer	MAKS 1621

MUD REMOVER

Mud Remover	MAKS 1630
Mud remover & defoamer	MAKS 1631

OTHERS

Boiler protection on stand-by	MAKS 1640
Fire side cleaner (fuel-oil)	MAKS 1650
Softener resin cleaner	MAKS 1660
Boil-out compound	MAKS 1670
Hot water boiler treatment (soft feedwater)	MAKS 1680
Hot water boiler treatment (raw feedwater)	MAKS 1690

COOLING WATER TREATMENT

SCALE & CORROSION INHIBITORS

For hard feedwater systems (steel)	MAKS 2100
For hard feedwater systems (steel, copper)	MAKS 2110
For hard feedwater systems (steel, copper) New Product High Performance	MAKS 2120
For hard feedwater & High Suspended Solid systems (steel, copper)	MAKS 2130
For hard feedwater and bacteria control (all in one product) New Product	MAKS 2140

CORROSION AND SCALE INHIBITORS

For soft feedwater systems (low conductivity)	MAKS 2200
For soft feedwater systems (high conductivity)	MAKS 2210
For soft feedwater systems (high alkalinity)	MAKS 2220
For soft feedwater and bacteria control (all in one product) New Product	MAKS 2230

OTHERS

For new systems start up (pre-treatment)	MAKS 2240
Copper	MAKS 2250
Special product for evaporative cooling towers	MAKS 2260
Defoamer	MAKS 2270
pH regulator	MAKS 2280

CLOSED SYSTEM TREATMENT

CORROSION & SCALE INHIBITORS

Soft or Demineralized feedwater systems (steel, copper)	MAKS 3000
Soft or Demineralized feedwater systems (aluminum)	MAKS 3100
Soft or Demineralized feedwater systems (semi-closed systems)	MAKS 3200
Soft or Demineralized feedwater systems (semi-closed systems) High Protection	MAKS 3300
Soft or Demineralized feedwater systems (all in One) New Product	MAKS 3310
Hard feedwater systems	MAKS 3320
Soft or Demineralized feedwater systems (contains antifreeze)	MAKS 3330

OTHERS

For new systems start up (pre-treatment)	MAKS 3340
Laser system cooling protection	MAKS 3350

POTABLE WATER TREATMENT

CORROSION & SCALE INHIBITORS

Soft feedwater systems	MAKS 5000
Soft feedwater systems (hot lines)	MAKS 5010
Soft feedwater systems (powerfull corrosion inhibitor)	MAKS 5020

SCALE & CORROSION INHIBITORS

Hard Feedwater systems	MAKS 5030
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CORROSION & MICROBIOLOGICAL CONTROL

Soft feed water systems (particularly effective against legionella)	MAKS 5040
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OTHER

For new systems start up (pre-treatment)	MAKS 5050
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DISENFECTION PRODUCTS

OXIDISING

Open cooling systems (high pH)	MAKS 4000
Open cooling systems (high pH, biofilm removal)	MAKS 4010
Open cooling systems (solid bromine tablets)	MAKS 4020
Open cooling systems (solid chlorine tablets)	MAKS 4030
Open cooling systems (solid chloramines tablets)	MAKS 4040
Open cooling systems (stabilised chlorine)	MAKS 4050
Open cooling systems (solid chloramines granule)	MAKS 4060
Open cooling systems (hydrogen peroxide with silver)	MAKS 4070

NON OXIDISING

Open & closed system (particularly for algae & bacteria)	MAKS 4080
Open & closed system (particularly for fungi & bacteria)	MAKS 4090
Open & closed system (particularly for sulfate reducing bacteria)	MAKS 4100
Open & closed system (particularly for algae, bacteria & fungi)	MAKS 4110
Open & closed system (particularly for closed system nitrite application)	MAKS 4120
Open & closed system (particularly for sea water cooling application)	MAKS 4130

OTHERS

Biodispersant	MAKS 4140
Biodetergent	MAKS 4141
HVAC Fancoil tablet biocide	MAKS 4150
Hypochlorite activity enhancer (high pH applications)	MAKS 4160

AUTOCLAVE PRODUCTS

Scale Inhibitor (hard feedwater)	MAKS 500
Can brightener & Scale Inhibitor (oily & hard feedwater)	MAKS 501
Corrosion & Scale Inhibitor (soft or demineralized feedwater)	MAKS 502
Scale & Corrosion Inhibitor (hard feedwater)	MAKS 503
For new systems start up (pre-treatment)	MAKS 504

WASTE WATER CHEMICALS

Anaerobic bacteria (gas improvement, grease consumption, process balance)	MAKS 6000
Drain lines odor treatment, pretreatment, lagoon	MAKS 6010
Particularly Food drain treatment (reduces fat & food wastes, stop plugging)	MAKS 6020
Particularly for oil plants waste treatment (heavy hydrocarbon removal)	MAKS 6030
Oil refineries & Petrochemical plants waste treatment	MAKS 6040
Domestic waste treatment (cellulose, protein, grease, fiber, etc..)	MAKS 6050
Industrial Food Waste Treatment (cellulose, protein, grease, fiber, etc..)	MAKS 6060
Treatment of Filamentous bacteria (paper, brewery, alcohol manufacturing)	MAKS 6070
Treatment of Nitrification bacteria, ammoniated waste (oil, mining, etc...)	MAKS 6080
Pulp & Paper Waste Treatment (cellulose, linen fiber, etc...)	MAKS 6090
High lifetime organics (chemical, pharmaceutical, etc...)	MAKS 6100
Anionic Polyelectrolyte	MAKS 6110
Nonionic Polyelectrolyte	MAKS 6120
Cationic Polyelectrolyte	MAKS 6130

GEOHERMAL WATER RECLAMATION

Scale Inhibitor (high sulfate source)	MAKS 600
Scale Inhibitor (high temperature resistant 230 °C)	MAKS 605
Scale Inhibitor (very high temperature resistant 350 °C)	MAKS 610
Scale Inhibitor (high silicate source)	MAKS 615
Scale Inhibitor (particularly suited for geothermal cooling towers)	MAKS 620
Corrosion Inhibitor (steam & brine lines)	MAKS 625

INDUSTRIAL CLEANING CHEMICALS

Aluminum Cleaner (scale & organic removal)	MAKS 100
Aluminum HVAC Coil Cleaner	MAKS 105
Scale Removal (steel, copper, cast iron)	MAKS 110
Scale, Rust, Oil Cleaning & Passivation	MAKS 115
UV lamp cleaner	MAKS 120
Scale, Rust, Oil, Silicate, Phosphate based deposit cleaner	MAKS 125
Scale & Rust Cleaner (steel & copper)	MAKS 130
Scale, Oil, Rust Cleaner (galvanized & chrome plating)	MAKS 135
Scale & Rust Powder Cleaner (steel, copper, cast iron)	MAKS 140
Scale, Rust, Manganese Cleaner (titanium)	MAKS 145
Laser Coolant Scale, Rust & Oil Cleaner	MAKS 150
Scale, Rust, Oil Cleaner & Passivation at Neutral Condition (pH=7)	MAKS 160
Powerful Rust Remover (steel, copper, cast iron)	MAKS 170
Strong Inorganic Acid Inhibitor	MAKS 180
Scale, Organic Deposits & Sludge Removal (sugar or tomato evaporator)	MAKS 190
Boil-Out Compound (new boiler start-up application)	MAKS 200
Softener Resin Cleaner	MAKS 210
Softener Resin	MAKS 215

LEGIONNAIRE'S DISEASE SPECIALTY PRODUCTS

Soft feed water systems (particularly effective against legionella)	MAKS 5040
Biodetergent	MAKS 4141
Open cooling systems (pigh pH)	MAKS 4000
Open cooling systems (hydrogen peroxide with silver)	MAKS 4070

TEST KITS

12.1) ALKALINITY TEST KIT
12.2) AMMONIUM TEST KIT
12.3) ARSENIC TEST KIT
12.4) ACIDITY TEST KIT
12.5) COPPER TEST KIT
12.6) IRON TEST KIT
12.7) PHOSPHATE TEST KIT
12.8) HYDRAZINE TEST KIT
12.9) CALCIUM TEST KIT
12.10) CALCIUM CARBONATE TEST KIT
12.11) CHLORINE TEST KIT
12.12) CHLORATE TEST KIT
12.13) CHROMATE TEST KIT
12.14) MAGNESIUM TEST KIT
12.15) MANGANESE TEST KIT
12.16) NICKEL TEST KIT
12.17) NICKEL ANALYSIS SOLUTIONS
12.18) NITRATE TEST KIT
12.19) NITRITE TEST KIT
12.20) OXYGEN TEST KIT
12.21) pH TEST KIT
12.22) FREE CHLORINE TEST KIT
12.23) SULFATE TEST KIT
12.24) SULPHITE TEST KIT
12.25) TOTAL HARDNESS TEST

EKİPMANLAR

13.1) DOSAGE PUMP
13.2) BLOWER
13.3) DIFFUSER
13.4) WASTE WATER PUMP
13.5) MONOPUMP
13.6) DOSAGE
13.7) DOZAJ
13.8) ANALYSER
13.9) DECANTER
13.10) AIR EXHAUSTER
13.11) ENAMEL TANK



ENVIRONMENT FRIENDLY

At Bimaks, one of our main objective is to realise environmental friendly ideas.

We are fully aware of the critical importance of the environment for a healthy generation, clean world, 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.

Bimaks®

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