

MAKS 190

Industrial Cleaning & System Optimization

Industrial evaporator systems are exposed to continuous scale formation, fouling and heat transfer loss during operation.

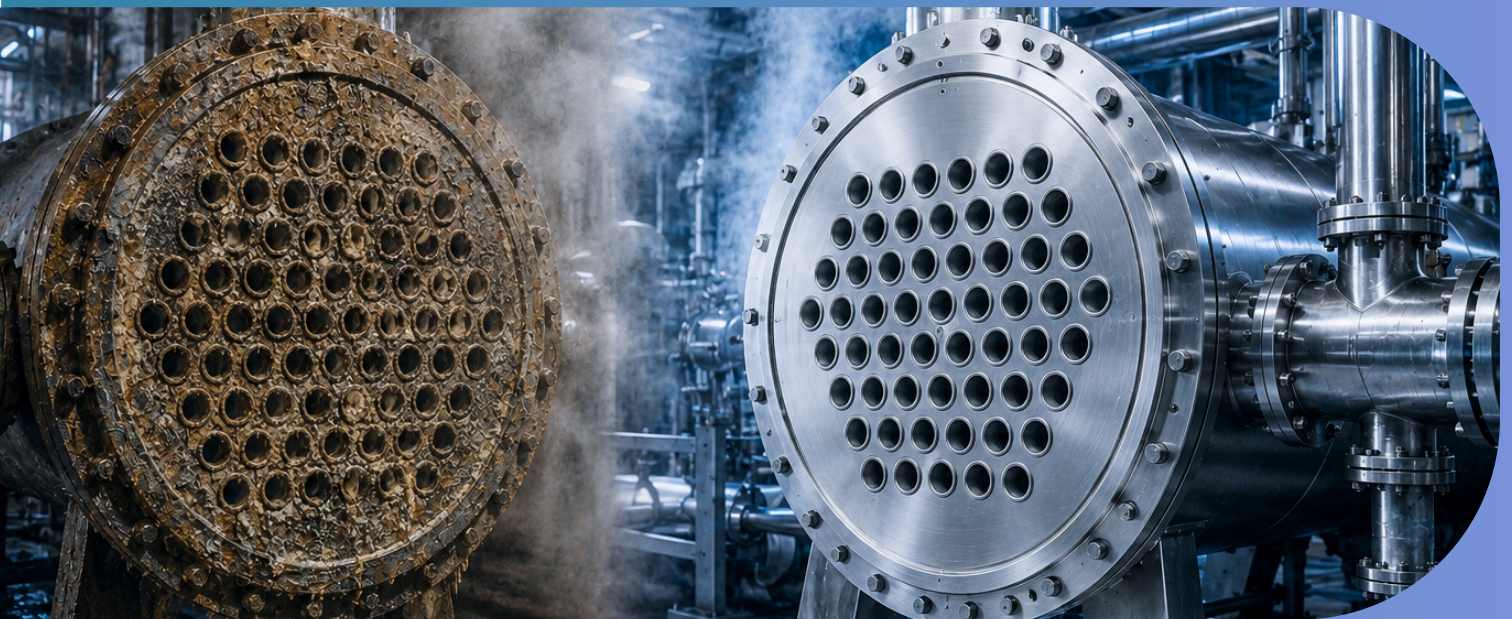
Scale accumulation inside **evaporators** and **heat exchanger** surfaces can significantly reduce operational efficiency, increase steam consumption and lead to costly shutdown periods.

In industrial production environments, extended cleaning durations often result in production loss, increased labor costs and reduced operational continuity.

For industrial facilities, the real challenge is not cleaning itself — it is the downtime caused by cleaning.

Downtime Starts Here

- Reduced Heat Transfer
- Increased Energy Consumption
- Extended Shutdown Periods
- Higher Maintenance Costs
- Production Continuity Risks



The Solution

MAKS 190 is designed to support industrial cleaning operations by loosening stubborn deposits and improving cleaning efficiency.

Its advanced dispersing properties help systems return to operation faster with reduced downtime.

**24–48 Hour
Cleaning
Process**

MAKS 190

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MAKS 190 is used together with alkaline cleaning products during evaporator cleaning operations.

Its formulation helps disperse stubborn deposits, improve cleaning performance and reduce the need for aggressive acid cleaning.

Application Process

1. Prepare the alkaline cleaning solution
2. Heat the solution to 90–100°C
3. Charge the evaporator with the cleaning solution
4. Recirculate continuously for 24–48 hours
5. Maintain minimum 60°C during cleaning
6. Drain, rinse and inspect the unit



Key Benefits

- High wetting performance in alkaline environments
- Strong dispersing effect on insoluble salts
- Low foaming, easy handling and application
- Improved removal of inorganic and organic deposits
- Reduced need for acid cleaning
- Shorter cleaning time compared to caustic alone

Compared to Caustic Alone

Property	Caustic Alone	MAKS 190 + Caustic + Soda Ash
Organic removal	Moderate	Excellent
Inorganic scale removal	Poor	Excellent
Foaming tendency	High	Low
Cleaning time	Long	Shorter
Acid cleaning need	Yes	No

Trusted by industrial facilities that cannot afford extended downtime.

**The real cost is not cleaning.
The real cost is production loss.**

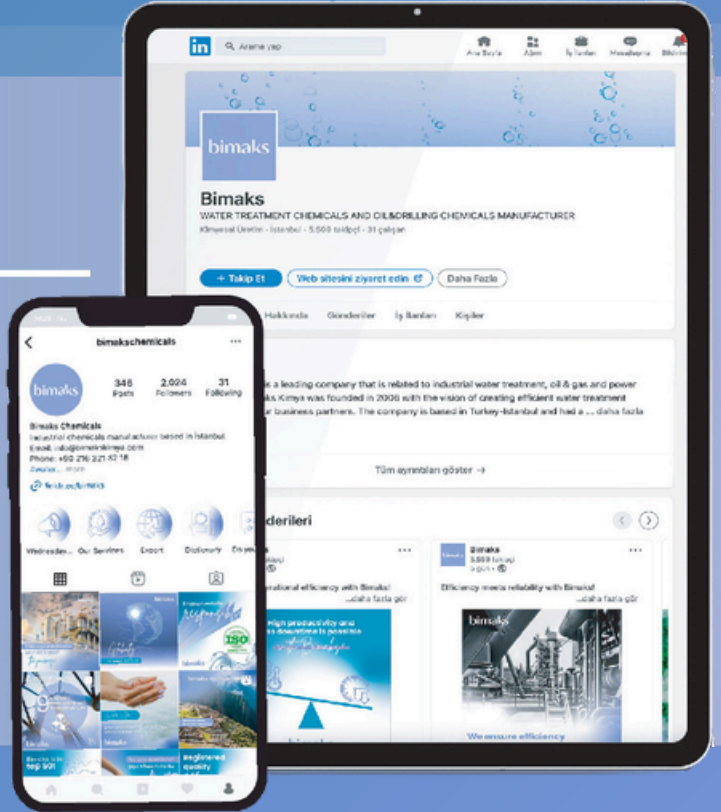


Why bimaks ?

- 20 Years of Water Treatment Experience
- 110+ Export Countries
- Industrial Cleaning Expertise
- Field-Proven Solutions
- Technical Support Team

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