

AdBlue®

SMART PRODUCTION SYSTEMS



OUR PRODUCTION FACILITY IN ANKARA - TURKEY

Introducing Atmosfer Machinery, your reliable partner for cutting-edge solutions, proudly crafted in Turkey. As a pioneering manufacturer, we revolutionize industries, emphasizing sustainability and innovation.

Our global mission is clear: positively impact industries by seamlessly integrating leading technologies and eco-conscious practices in our smart facilities, showcasing our commitment to sustainability.

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AdBlue®



About Us

Our company is, provides a variety of high tech solutions with its diverse product portfolio. We would like to introduce you our AdBlue® production and distribution chain. AdBlue® is a high-quality urea which makes urea as its main raw material. AdBlue® is a high purity urea dissolved and suspended in deionised water. It will help your business to reduce harmful emissions decreasing your fuel costs by up to seven percent. The product can be stored for 18 months, with a low freezing point of -11°C. Advantages of our AdBlue system;

- Low operational unit cost; no heating water requirement for dissolving urea
- Fast production with the lowest

energy; In contrast to the traditional systems with 1 hours requirement, for each batch of production, time requirement is around 10 minutes.

- Automatic handling for system controlling and mixing. The system taking urea according to urea measurement on the circulation line automatically. No need touch, no need weight calculation of Urea Bags, no need to check about what is the Urea Dissolved amount.

We are manufacturing in Ankara and exporting to the world. We are open to do business and have partners from all around the world.

What is

AdBlue® ?

FOR MODERN DIESEL ENGINES

AdBlue® is used to limit emissions from cars, trucks, buses, vans, boats, excavators and tractors. If you use a modern diesel powered machine fitted with an SCR catalyst, you'll need AdBlue®.

All modern diesel engines with selective catalytic reduction (SCR) units in their exhaust systems can benefit from AdBlue. These include diesel-powered vehicles such as trucks, buses, tractors, cars, vans and off-road vehicles.

SCR engines use a diesel exhaust fluid (DEF) such as AdBlue. The fluid is stored in a separate tank in the system and injected into the exhaust stream. This injection causes a chemical reaction in the SCR catalytic converter which turns oxides of nitrogen (NOx) into environmentally-friendly components, diatomic nitrogen (N₂) and water. As a result, selective catalytic reduction systems are being

used as a sustainable and effective way of protecting the environment.

AdBlue combined with an SCR-catalyst converter has proven to be the leading technology for reducing nitrogen oxide (NOx) in exhaust gasses which are created in the combustion process in diesel engines. The synergy between SCR technology and AdBlue can help reduce NOx emissions by up to 95%. AdBlue will help your business to reduce harmful emissions and it will reduce your fuel costs by up to seven percent. The product can be stored for 18 months, with a low freezing point of -11°C. It can be used in most weather conditions.

WE CARE ABOUT ENVIRONMENT-EARTH-FUTURE



AdBlue®

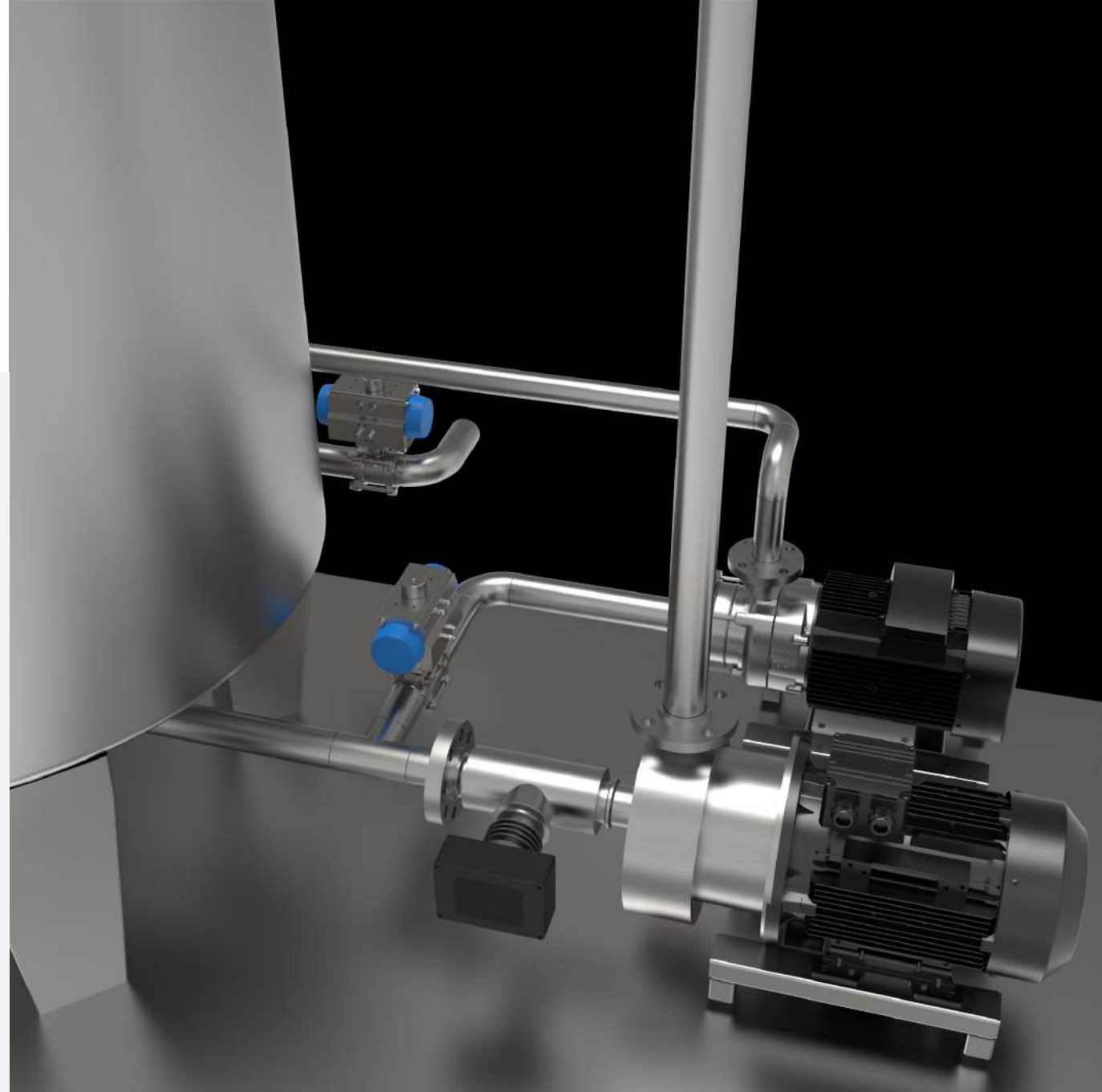
Models of **AdBlue®** Production Plants

1 | Capacity | 2 m³/h | **GOLDBERG®** | ADB 1800 | Model Batch

2 | Capacity | 6 m³/h | **GOLDBERG®** | ADB 4800 | Model Batch

3 | Capacity | 9 m³/h | **GOLDBERG®** | ADB 7200 | Model Batch

4 | Capacity | 12 m³/h | **GOLDBERG®** | ADB 9600 | Model Batch



Our Advantages for AdBlue® Plants

This method is beneficial due to the following specifications:



Small footprint, easy to transport and installation



Integrated Ultra Pure Water Purification System



Made with ISO22241 compatible materials using the most reliable brands on the market



Save energy with cold blending process - No need to heat the blending process



Automatic controlling and mixing Smart online monitoring

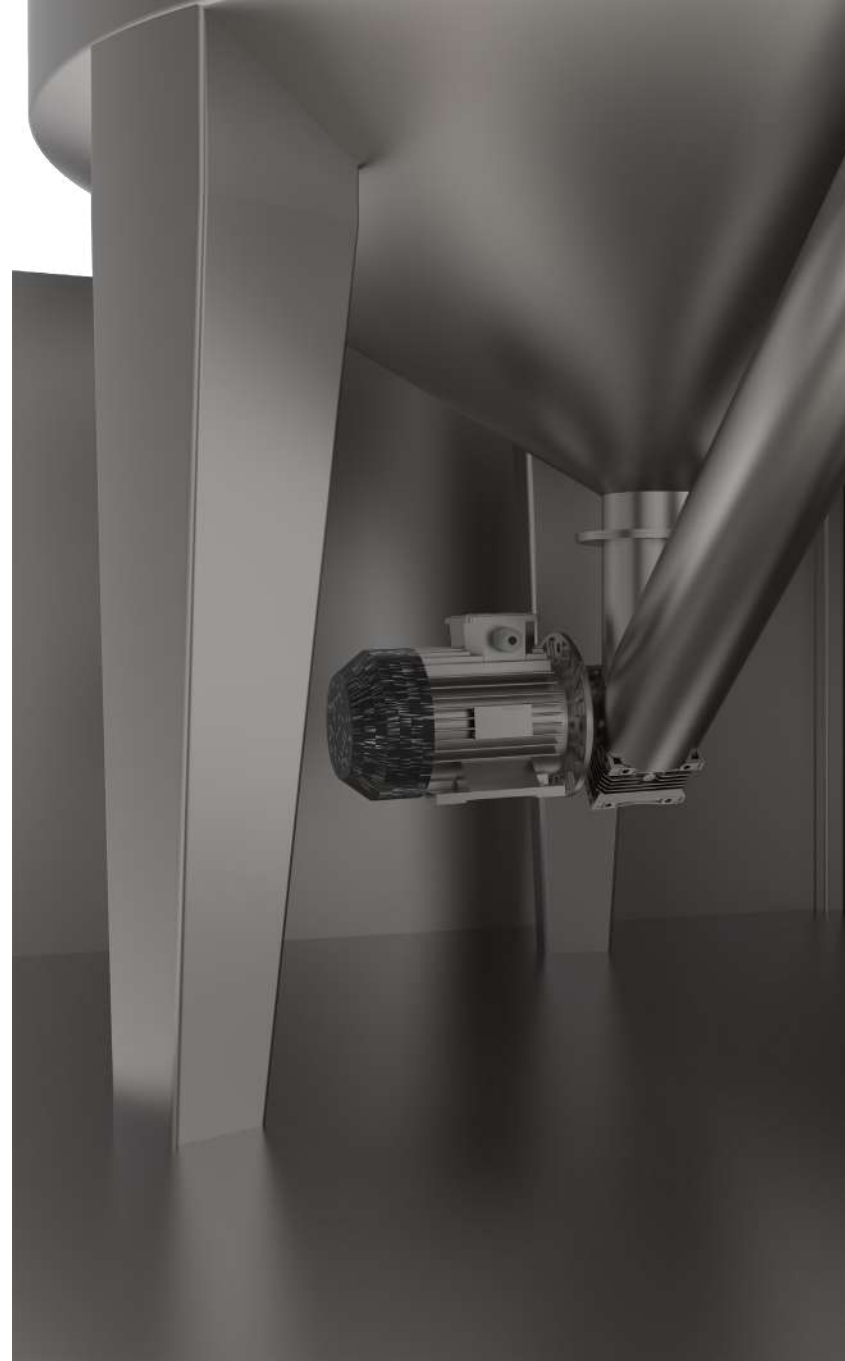


Four different capacities: 2, 6, 9, 12 m³/h



Specifications of Our **AdBlue®** Production Plants

- ✓ Four blending capacities
- ✓ Small SKID footprint
- ✓ Desired blending concentration up to 50%
- ✓ Total weight under 3,000Kg
- ✓ All blending parts made of stainless steel
- ✓ Stainless steel hopper
- ✓ Capability to dilute concentrated liquid urea
- ✓ Blends 32,5% solution
- ✓ Online monitoring and remote assistance
- ✓ Siemens PLC technology
- ✓ Less than 15kW power consumption
- ✓ Fits in a 20' and 40' container
- ✓ Inlin erefactometer for constant monitoring and auto-regulaon

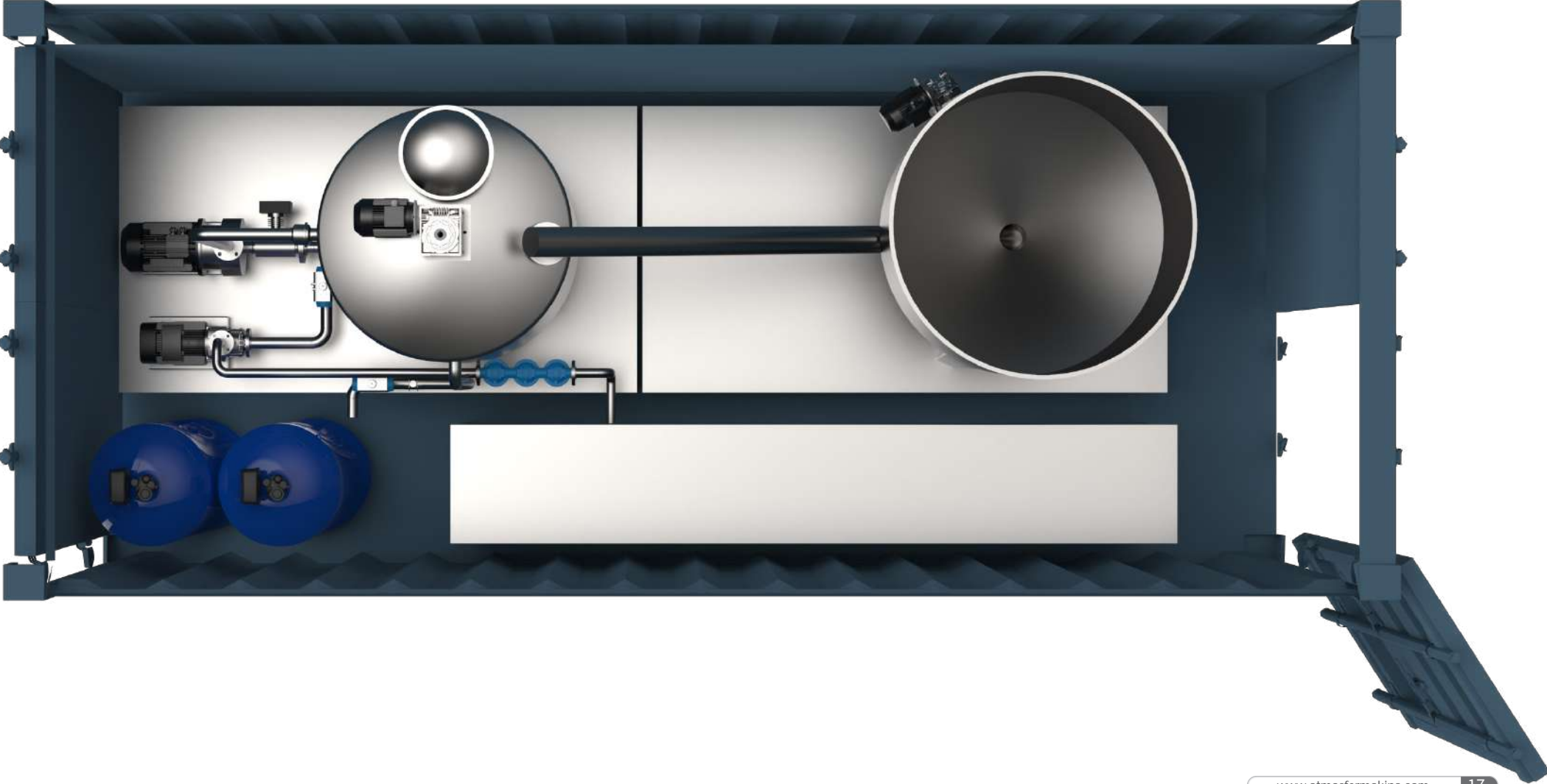


AdBlue®

Containerized

AdBlue®

Systems



AdBlue®

Committed to Our Customers

**24/7
SERVICE**

24/7 Service availability both remotely and locally through local service partners with exclusively trained manpower and spares support.

- Long-term loyalty, which outperforms our competitors
- 100% European company with worldwide exposure
- Cost-effective solutions for customers
- 24/7 service availability
- Safe and reliable VDA certified Adblue delivery
- Professional and highly competent staff
- Quick and easy payment options
- Dedicated account managers
- Easy payment terms in long-term contracts and works
- Commitment to environment friendliness
- Systematic and analytical approach to CRM



AdBlue®-With

AdBlue®-Without



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