

MIKROPOR AIR CONTAINER SOLUTIONS

Portable Compressed
Air & Gas Rooms



mikropor

Manufacturing Forward





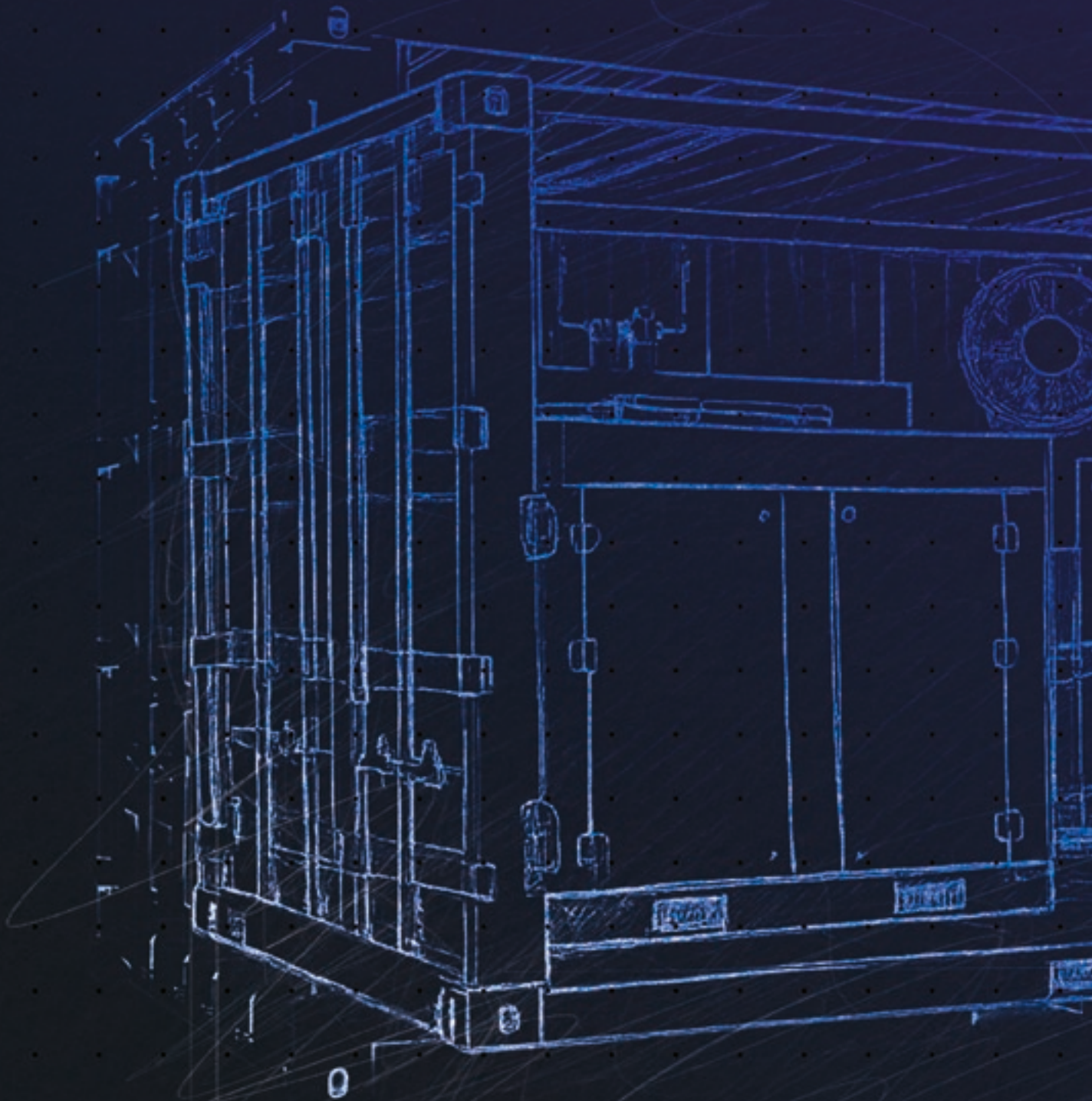
Mikropor began its journey in 1987 with a passion to create “Tomorrow’s Technology” and has become one of the leading manufacturers of atmospheric air filtration solutions and compressed air treatment systems for a variety of industries.

By closely following the latest developments in technology, Mikropor’s “Best in Class” products and solutions are appreciated by customers in more than 100 countries.

The company’s sustainable growth has been provided by its passion for innovation and commitment to quality, as well as its dedication to technology. Mikropor is an environmentally conscious company that values people, while developing products that extend the needs and expectations of customers.

With this mission, Mikropor continues to become one of the most recognized brands in the world by expanding its global penetration in the field of technological filtration and contributes to a healthier planet.

www.mikropor.com



Mikropor Air Container Solutions

Mikropor's Compressed Air Systems deliver application-specific, high-quality compressed air across a wide range of industries. However, these systems are typically built-in and fixed, as they are installed within factories or dedicated facilities.

In the compressed air industry, portable solutions are limited. Addressing this need, Mikropor has developed a new approach to mobility.

Designed with flexibility in mind, Mikropor Air Container Solutions provide a plug-and-play system that eliminates the need for on-site installation.



For All Air & Gas Needs

From permanent installations to temporary applications, a complete solution engineered to adapt every requirement.

With its fully integrated, ready-to-operate design, installation time is minimized — delivering both time and cost efficiency. Consistent performance, safety, and air quality are ensured exactly where and when they are needed.



High Efficiency Under All Conditions

Engineered to perform under varying environmental and operational conditions, the modular system ensures consistent and sustainable efficiency at all times.

All essential components (excluding the compressor) are pre-installed within the container — including the air receiver tank, dryer, filtration units, and complete piping system — enabling faster installation, optimized costs, and reliable operation in any setting.

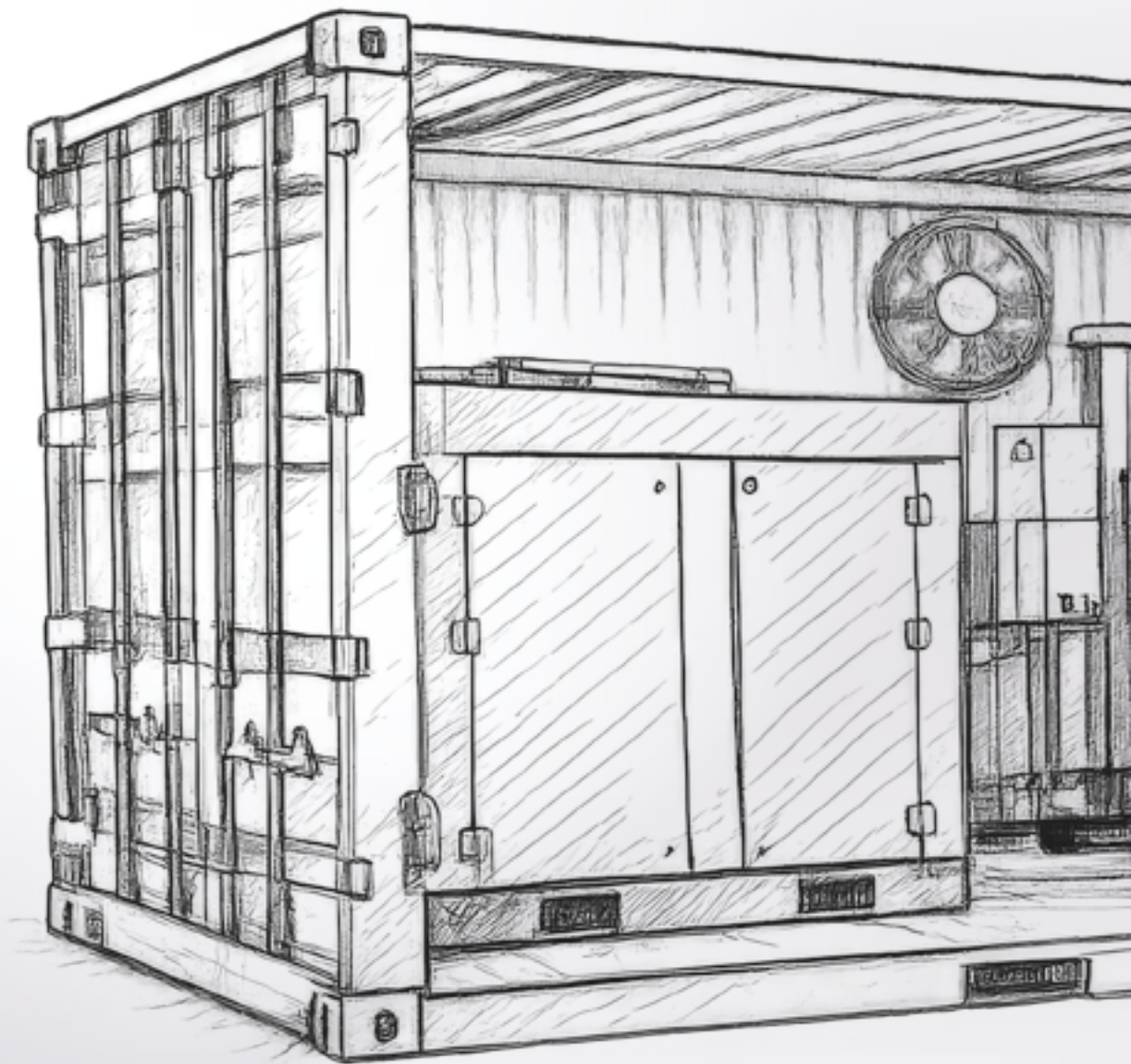


How to Operate?

Connect. Start. Operate.

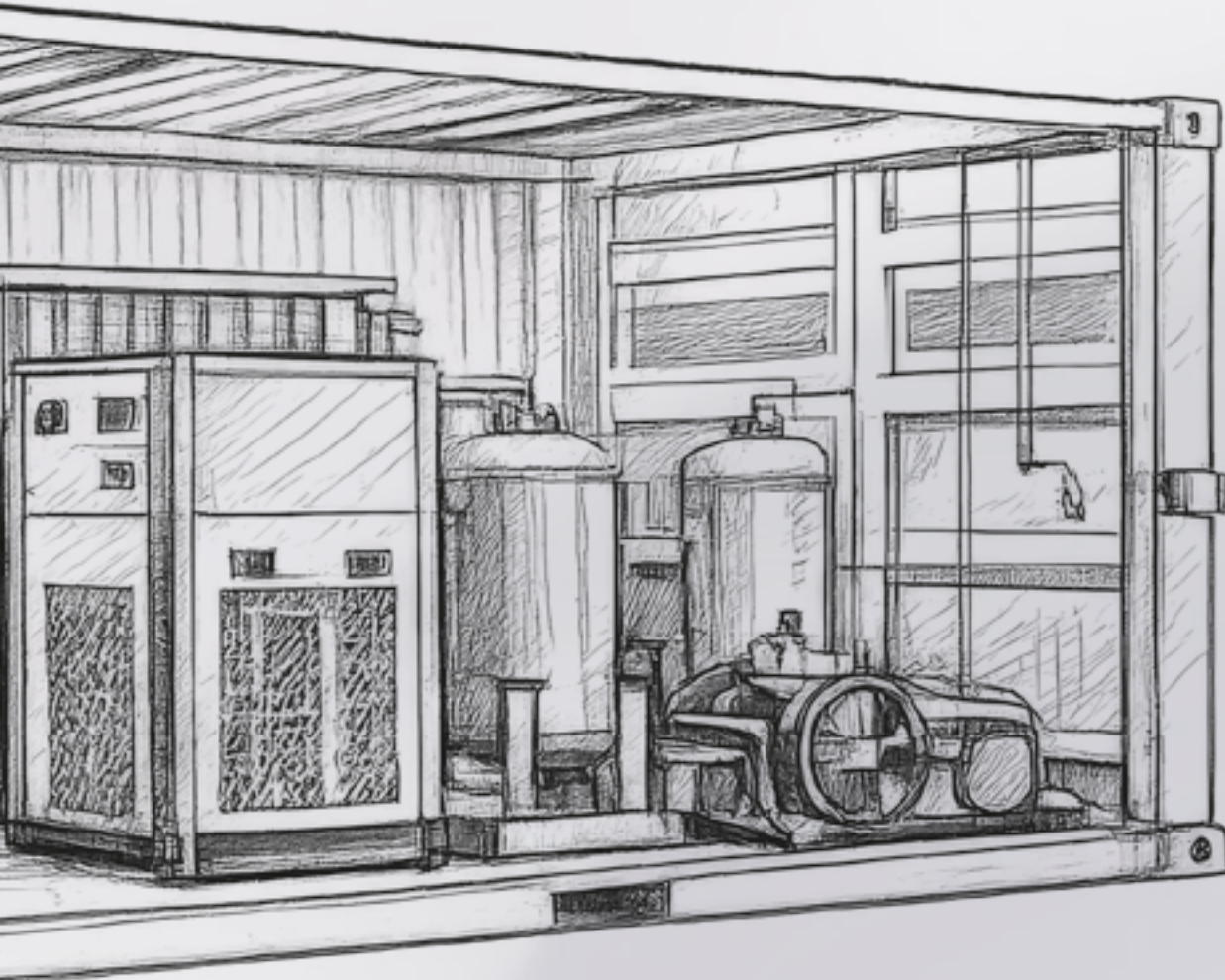
Simply connect the compressor to the system and begin operation — no complex project planning, no installation, no commissioning.

Engineered to the highest standards of Mikropor quality and expertise, the system is delivered fully integrated and ready to perform — eliminating complexity and ensuring reliable, efficient operation from the very first moment.



Key Features

- Answer to users that require Nitrogen & Oxygen generation
- Answer to users that require High Quality Compressed Air (ISO 8573:1 / Class 1.4.1 / Class 1.2.1 / Class 1.1.1)
- Compact and mobile design for easy deployment across various sites
- Climate control and insulation for reliable performance in all conditions
- Compliance with industry standards for safety and operational continuity
- Service friendly design
- Easy access through service doors



Components

● Receiver Tank

A pressurized vessel designed to store compressed air, ensuring a stable and continuous air supply while reducing pressure fluctuations.

● Compressor

The core component that delivers compressed air by elevating atmospheric air to the required pressure levels.

● Nitrogen Purifier

For increasing the nitrogen purity by removing residual oxygen with a special chemical reaction.



- **Nitrogen or Oxygen Generator**

Designed to generate high-purity nitrogen or oxygen from compressed air.

- **Compressed Air Dryer**

A unit to remove moisture from compressed air, ensuring dry and reliable air for downstream applications, in compliance with ISO 8573-1 air quality classes.

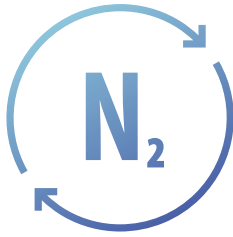
- **Nitrogen Booster**

A high-performance unit that elevates nitrogen pressure to meet demanding high-pressure application requirements.

- **High Pressure Nitrogen Receiver Tank**

Strong and reliable high pressure tank for storing pure & ready-to-use nitrogen.



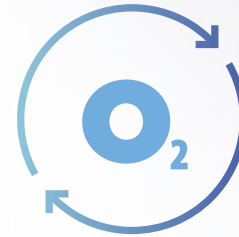


Air Container N₂

Nitrogen container have the below products;

- Air Compressor
- Air Buffer Tank
- Air Downstream Equipment (Water Separator, X, Y & P Grade Pre & Post Filtration)
- Compressed Air Dryer (Class 4, 2, 1 humidity classes as per ISO 8573 Standard)
- Condensate Removal Equipment
 - Carbolescer for Oil Removal
 - PSA Nitrogen Generator
 - Nitrogen Buffer Tank

Food & Brewery > Nitrogen Purity: 99% - 99.9%
 Petrochemical > Nitrogen Purity: 99.9% - 99.999%
 Electronics > Nitrogen Purity: 99.999%
 Heat Treatment > Nitrogen Purity: 99.9% - 99.99%
 Medical & Drugs > Nitrogen Purity: 99.9% - 99.999%
 Automotive & Tires > Nitrogen Purity: 99% - 99.9%
 Glass & Ceramic > Nitrogen Purity: 99.9%
 Laser Cutting > Nitrogen Purity: 99.99% - 99.999%

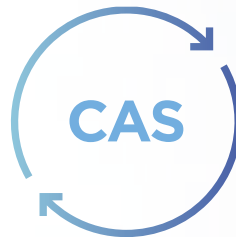


Air Container O₂

Oxygen container have the below products;

- Air Compressor
- Air Buffer Tank
- Air Downstream Equipment (Water Separator, X, Y & P Grade Pre & Post Filtration)
- Compressed Air Dryer (Class 4, 2, 1 humidity classes as per ISO 8573 Standard)
- Condensate Removal Equipment
 - Carbolescer for Oil Removal
 - PSA Oxygen Generator
 - Oxygen Buffer Tank

Metal Industry > Oxygen Purity: 95%
 Glass Industry > Oxygen Purity: 95%
 Fishing Farms Applications > Oxygen Purity: 90-95%
 Medical Services > Oxygen Purity: 95%
 Ozone Generators Applications > Oxygen Purity: 90-95%
 Sewage Treatment Applications > Oxygen Purity: 90-95%



Air Container CAS

Compressed Air Treatment container have the below products;

- Air Compressor
- Air Buffer Tank
- Air Downstream Equipment (Water Separator, X, Y & P Grade Filtration)
- Compressed Air Dryer (Class 4, 2, 1 humidity classes as per ISO 8573 Standard)
- Condensate Removal Equipment

General Industrial Applications > +3°C / -40°C / -70°C
 Pharmaceutical Industry > -40°C / -70°C
 Painting Applications > -40°C
 Laboratories > -40°C / -70°C
 Petrochemical Industry > -40°C / -70°C
 Medical Process > -40°C / +3°C
 Food & Beverage Industry > -40°C / -70°C
 Pneumatic Systems > +3°C
 Textile Industry > +3°C

*Please contact with Mikropor for further information inside the containers





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