



NITROBERG® | OXYBERG®

Oxygen and Nitrogen Generators



PSA OXYGEN GENERATOR

OXYBERG®

BERG PSA Oxygen Generators deliver oxygen with a purity of 90% to 95%, with quantities from 1- 280 Nm³/h.

PERMANENT O₂ SUPPLY

PROCESS:

The OXYBERG® Pressure Swing Adsorption (PSA) process efficiently separates nitrogen molecules from compressed air, leaving behind high-purity oxygen. This pure oxygen is suitable for a wide range of applications.

BENEFITS:

- Plug and Play, simple/constant Oxygen supply
- Constant measurement of Oxygen purity
- Savings from the very first minute
- Low-maintenance, compact design
- Longest Lifetime of High quality ZEOLITE
- Less Compressed air and Low energy cost

Compressed Air Specification

Temperature range: +5 to +40°C

Air quality: ISO 8573.1, Class 1.4.1

Operating pressure: 10 bar

The Complete Oxygen Plant, Skid Mounted

A) Compressed Air Station

B) Air treatment to ISO 8573-1 Class 1.4.1 (1.2.1)

C) Compressed Air Buffer Tank

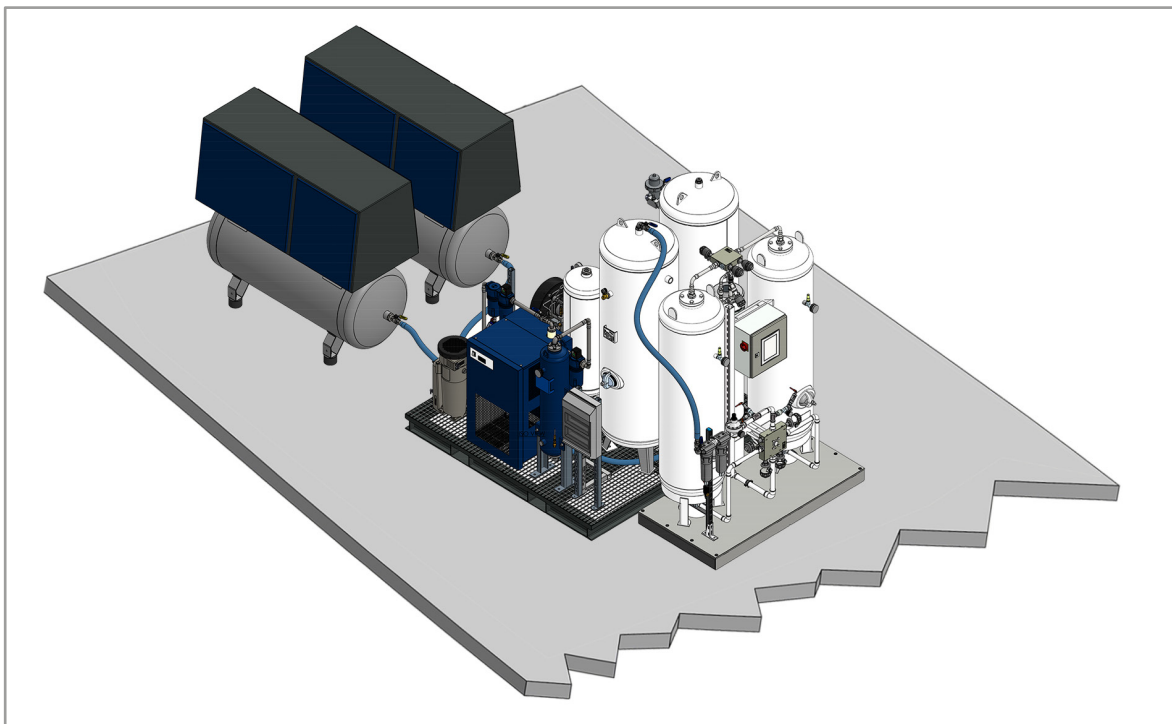
D) PSA Oxygen Generator, OXYBERG®

E) Product Oxygen Tank

F) Boosting Station / Cylinder Filling Station

Ambient Conditions and Apply Standard

- Temperature range: +5°C to +40°C
- Electrical connection: 110-230 V/60-50 Hz
- Noise level: from 55 to max. 78 dB(A)
- Accordance with DIN ISO 13485:2003 & in accordance with European Directive 2014/68/EU



PSA OXYGEN GENERATOR

PRODUCTION PRINCIPLE

The Oxygen generator consists of two separating vessels filled with molecular sieve absorbers (zeolite). When pure compressed air pressurizes a vessel, the Nitrogen is retained by the molecular sieve and the Oxygen goes straight into the Oxygen buffer. As soon as the tank approaches Nitrogen saturation, the process switches to the second tank and the adsorbed Nitrogen in the first tank is released into the ambient air. The OXYBERG® series offers all the advantages of a fully integrated in-house production system.

Product Specification

Description

Twin column, heavy duty, medical Oxygen generator made to work 24/7 in demanding healthcare environments with load conditions of up to 100%.

Column vessels

Twin vessels manufactured according to the Pressure Equipment Directive and with the stringent European Technically Supervisory Board approval. Vessels are powder coated and calculated for the demanding high load cycle.

Adsorbent material

High quality, long-life molecular sieve ZEOLITE with industry leading energy air factors resulting in the lowest possible differential pressure.

Process valves

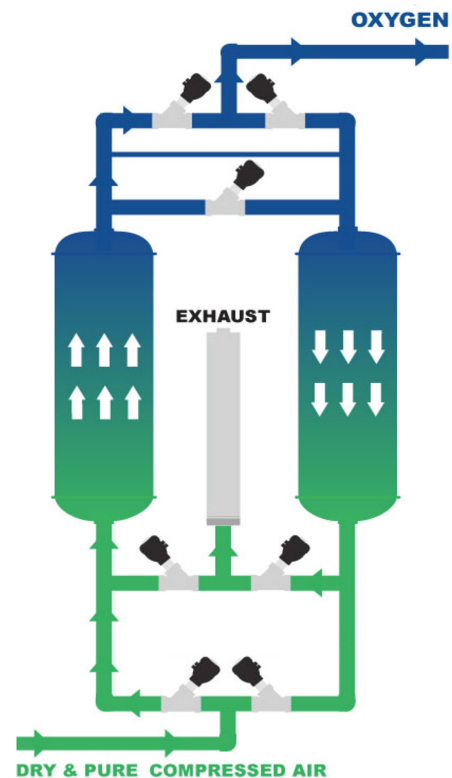
Angle seat pneumatic process valves with stainless steel body and piston stems are used which guarantee a very reliable operation in the long service life. Made in Germany

Piping

All process piping is in stainless steel, press-fitted pipes for maximum durability and leak free operation.

Instrumentation & Measurement

- O2 analyzer with a high-precision Zirconium sensor
- Outlet pressure sensor displays on HMI
- Pressure indicator on each column vessel
- Pressure indicator at the inlet pressure regulator
- Pressure indicator at the outlet pressure regulator
- Ready to connect with electro cable and plugin



Control & Monitoring

Multifunctional color touch control panel with 4" or 7" HMI offering unique features and controllability is used as an industry leading, state of the art [HMI] Features Made by Siemens include:

- Automatic, Start Mode and Stop Button
- Display operating and measurement values - purity, outlet pressure, operating hours and all other connected measurement sensor values
- Values displayed in metric or imperial values
- Display of trends – all measurement values can be displayed as a trend for 24 hours
- Alarm management – Audit trail of raised alarms, acknowledgment, deleted with time/date stamp and permanent alarm history
- Change of purities with a push of a button
- Access management with 3 hierarchy levels for access control
- Automatic service reminders for periodic maintenance
- Long term process data storage
- Automatic start option after power outage as required

APPLICATION FIELDS

For Our PSA Oxygen Generator

MEDICAL



Medical Oxygen generators, our OXYBERG® series provides hospitals with high-purity Oxygen using the Pressure Swing Adsorption (PSA) principle to extract Oxygen from ambient air. Unlike traditional cylinders or tanks, PSA generators offer a safer, more reliable, and cost-effective solution, eliminating transportation and storage challenges.



ECOLOGY FISH FARMING



PSA Oxygen Generators play a vital role in fish farming by maintaining adequate Oxygen levels, supporting biological filtration, and reducing the environmental impact of Oxygen supplementation. They improve the health and productivity of aquaculture systems while decreasing dependence on external resources.



GLASS & NEON FACTORY



PSA Oxygen Generators provide a continuous, on-site source of high-purity Oxygen, essential for glass manufacturing and neon sign production. They support high-temperature processes, improve efficiency, enhance control over production, and offer a cost-effective solution for industrial applications.



BIOGAS PLANTS



PSA Oxygen Generators enhance biogas plant operations by supporting anaerobic digestion, odor control, wastewater treatment, and biogas upgrading. Their use boosts biogas production, improves gas quality, and increases efficiency in renewable energy and waste management processes.



METAL INDUSTRY



PSA Oxygen Generators are essential for metal cutting, welding, steel production, heat treatment, powder production, surface treatment, annealing, and foundry operations. They improve process efficiency, reduce costs, and provide a reliable on-site source of high-purity Oxygen for metal industry applications.



MINING AND MINERAL PROCESSING



PSA Oxygen Generators are widely used in processing industries for oxidation reactions, water treatment, mining, metallurgy, glass and ceramics production, and semiconductor fabrication. Their efficiency and adaptability ensure a reliable Oxygen supply for critical industrial processes.



DRINKING-WATER TREATMENT



Oxygen is essential for water purification, and PSA Oxygen Generators provide a reliable, cost-effective solution for drinking water treatment. By supporting key processes, they ensure the production of safe, clean water for communities worldwide.



PHARMACEUTICAL



PSA Oxygen Generators provide pharmaceutical companies with a dependable on-site source of high-purity Oxygen, reducing reliance on external suppliers. They enhance efficiency, cost-effectiveness, and quality control in pharmaceutical manufacturing.



OXYGEN Complete Plant OXYBERG®

OXYBERG® Plug and Play

The special OXYBERG® technology, based on Pressure Swing Adsorption (PSA), provides efficient and cost-effective solutions for Oxygen generation.

This reliable and cost-effective method of on-site Oxygen generation is primarily used in medical care (hospitals), pharmaceutical applications and water treatment.

The PSA technology and specially developed adsorbents (zeolites) separate the ambient air (oil-free compressed air) into its components Nitrogen and Oxygen. Oxygen is therefore available to you in delivery quantities of 1 - 280 Nm³/h and purity of 90 - 95% for further use.

GENERATOR FOR MEDICAL O₂

The unique advantages of the OXYBERG® Med series: Energy-optimized Oxygen generation for medical facilities with guaranteed constant Oxygen quality.

ISO 13485 and CE certification

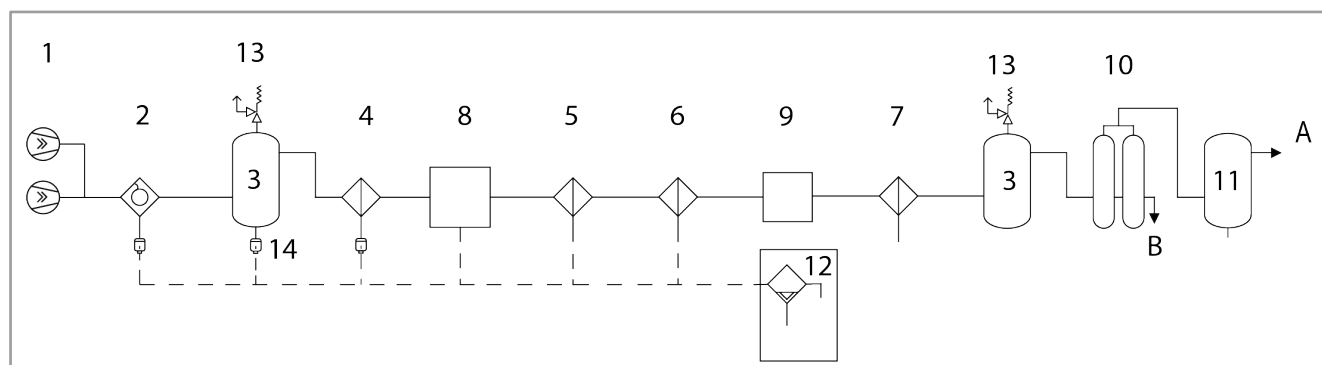
Our company is proud to hold CE certification No. 2912 in compliance with the Pressure Equipment Directive (PED) 2014/68/EU, ensuring the safety and quality of our pressure equipment. Additionally, we are in the final stages of obtaining ISO 13485 certification underscoring our commitment to maintaining the highest standards of quality management for medical devices.

ADVANTAGES:

- Customized solutions tailored to specific needs
- Compact standard systems designed for space efficiency
- Automatic operation for ease of use
- Mobile Oxygen supply for flexible deployment
- Digital surveillance for enhanced monitoring
- Ideal for locations without infrastructure
- Reduced operating costs for long-term savings
- High availability ensuring uninterrupted supply
- Return on Investment in less than 36 months
- Optional CO₂/CO and O₂ measurements for added functionality

O₂ Plant sample installation

1. Screw Compressors - Multistage
 2. Water Separator
 3. Compressed air tanks
 4. Pre filter
 5. Fine filter
 6. Super fine filter
 7. Dust filter
 8. DRYBERG - Refrigeration/Adsorption Dryer
 9. Activated Carbon Tower
 10. OXYBERG® - PSA Oxygen Generator
 11. Compressed Oxygen tanks
 12. OWAMAT® - Oil / Water Separator
 13. Safety valves
 14. BEKOMAT®
- A. Oxygen
B. Nitrogen-enriched air outlet





Technical Data of PSA Oxygen Generator OXYBERG® - Capacity (Nm³/h)						
Model	Oxygen Purity	90%	92%	93%	94%	95%
OXYBERG® 500	O ₂ , Nm³/h	2.9	2.5	2.1	1.9	1.8
	Comp.air, Nm³/h	31.9	27.5	23.1	20.9	19.8
	Oxygen vessel	90	90	90	90	90
	Comp. air vessel	150	150	150	150	150
OXYBERG® 600	O ₂ , Nm³/h	3.9	3.4	2.9	2.8	2.6
	Comp.air, Nm³/h	42.9	37.4	31.9	30.8	28.6
	Oxygen vessel	90	90	90	90	90
	Comp. air vessel	150	150	150	150	150
OXYBERG® 700	O ₂ , Nm³/h	4.9	4.5	4.2	3.9	3.8
	Comp.air, Nm³/h	53.9	49.5	46.2	42.9	41.8
	Oxygen vessel	150	150	150	150	150
	Comp. air vessel	250	250	250	250	250
OXYBERG® 800	O ₂ , Nm³/h	6.3	5.7	5.5	5.2	4.9
	Comp.air, Nm³/h	69.3	62.7	60.5	57.2	53.9
	Oxygen vessel	250	250	250	250	250
	Comp. air vessel	350	350	350	350	350
OXYBERG® 900	O ₂ , Nm³/h	8.1	7.3	6.7	6.4	6.2
	Comp.air, Nm³/h	89.1	80.3	73.7	70.4	68.2
	Oxygen vessel	350	350	350	350	350
	Comp. air vessel	500	500	500	500	500
OXYBERG® 1000	O ₂ , Nm³/h	10.6	9.4	9.1	8.5	8.1
	Comp.air, Nm³/h	116.6	103.4	100.1	93.5	89.1
	Oxygen vessel	500	500	500	500	500
	Comp. air vessel	750	750	750	750	750
OXYBERG® 1100	O ₂ , Nm³/h	13.6	13.3	12.7	11.8	11.4
	Comp.air, Nm³/h	149.6	146.3	139.7	129.8	125.4
	Oxygen vessel	500	500	500	500	500
	Comp. air vessel	750	750	750	750	750
OXYBERG® 1200	O ₂ , Nm³/h	15.7	14.8	14.2	13.6	12.9
	Comp.air, Nm³/h	146.7	146.6	146.5	143.0	141.9
	Oxygen vessel	750	750	750	750	750
	Comp. air vessel	1,000	1,000	1,000	1,000	1,000
OXYBERG® 1300	O ₂ , Nm³/h	23.4	22.2	21.1	20.1	19.3
	Comp.air, Nm³/h	257.4	244.2	232.1	221.1	212.3
	Oxygen vessel	750	750	750	750	750
	Comp. air vessel	1,500	1,500	1,500	1,500	1,500
OXYBERG® 1400	O ₂ , Nm³/h	32.5	31.9	30.2	28.9	27.6
	Comp.air, Nm³/h	357.5	350.9	332.2	317.9	303.6
	Oxygen vessel	1,000	1,000	1,000	1,000	1,000
	Comp. air vessel	2,000	2,000	2,000	2,000	2,000
OXYBERG® 1500	O ₂ , Nm³/h	44.6	42.8	41.1	39.9	38.8
	Comp.air, Nm³/h	490.6	470.8	452.1	438.9	426.8
	Oxygen vessel	1,500	1,500	1,500	1,500	1,500
	Comp. air vessel	3,000	3,000	3,000	3,000	3,000
OXYBERG® 1600	O ₂ , Nm³/h	53.4	51.4	49.3	47.4	46.2
	Comp.air, Nm³/h	587.4	565.4	542.3	521.4	508.2
	Oxygen vessel	2,000	2,000	2,000	2,000	2,000
	Comp. air vessel	4,000	4,000	4,000	4,000	4,000
OXYBERG® 1700	O ₂ , Nm³/h	64.7	63.4	61.6	60.3	58.8
	Comp.air, Nm³/h	711.7	697.4	677.6	663.3	646.8
	Oxygen vessel	2,000	2,000	2,000	2,000	2,000
	Comp. air vessel	4,000	4,000	4,000	4,000	4,000
OXYBERG® 1800	O ₂ , Nm³/h	89.1	85.2	82.2	79.7	77.1
	Comp.air, Nm³/h	980.1	937.2	904.2	876.7	848.1
	Oxygen vessel	3,000	3,000	3,000	3,000	3,000
	Comp. air vessel	5,000	5,000	5,000	5,000	5,000
OXYBERG® 1900	O ₂ , Nm³/h	105.4	101.7	97.8	93.8	91.4
	Comp.air, Nm³/h	1,159.4	1,118.7	1,075.8	1,031.8	1,005.4
	Oxygen vessel	4,000	4,000	4,000	4,000	4,000
	Comp. air vessel	6,000	6,000	6,000	6,000	6,000
OXYBERG® 2000	O ₂ , Nm³/h	129.6	126.9	123.4	120.7	117.4
	Comp.air, Nm³/h	1,425.6	1,395.9	1,357.4	1,327.7	1,291.4
	Oxygen vessel	5,000	5,000	5,000	5,000	5,000
	Comp. air vessel	8,000	8,000	8,000	8,000	8,000

*All values apply at 7 bar inlet pressure and 20°C ambient temperature.

*If the bigger size or customized plant is needed, please contact us.

PSA NITROGEN GENERATOR

NITROBERG®

BERG GaseTech GmbH PSA Nitrogen technology produces a purity of 97% up to 99.9999% and quantities of 0.9 - 2200 Nm³/h.

PERMANENT N₂ SUPPLY

PROCESS:

The NITROBERG® pressure swing adsorption process/ Pressure separates the Nitrogen molecules from Compressed air or Oxygen molecules from Compressed air.

BENEFITS:

- Plug and Play, constant Nitrogen supply
- Constant measurement of Nitrogen purity
- Savings from the very first minute
- Low-maintenance, compact design
- Ultra Pure N₂ => up to 99.9999% (1ppm O₂)
- Longest lifetime of High quality CMS

Compressed air specification

Temperature range: +5 to +40°C
Air quality: ISO 8573.1, Class 1.4.1
Operation pressure: 10 bar

The Complete Nitrogen plant, Skid-mounted

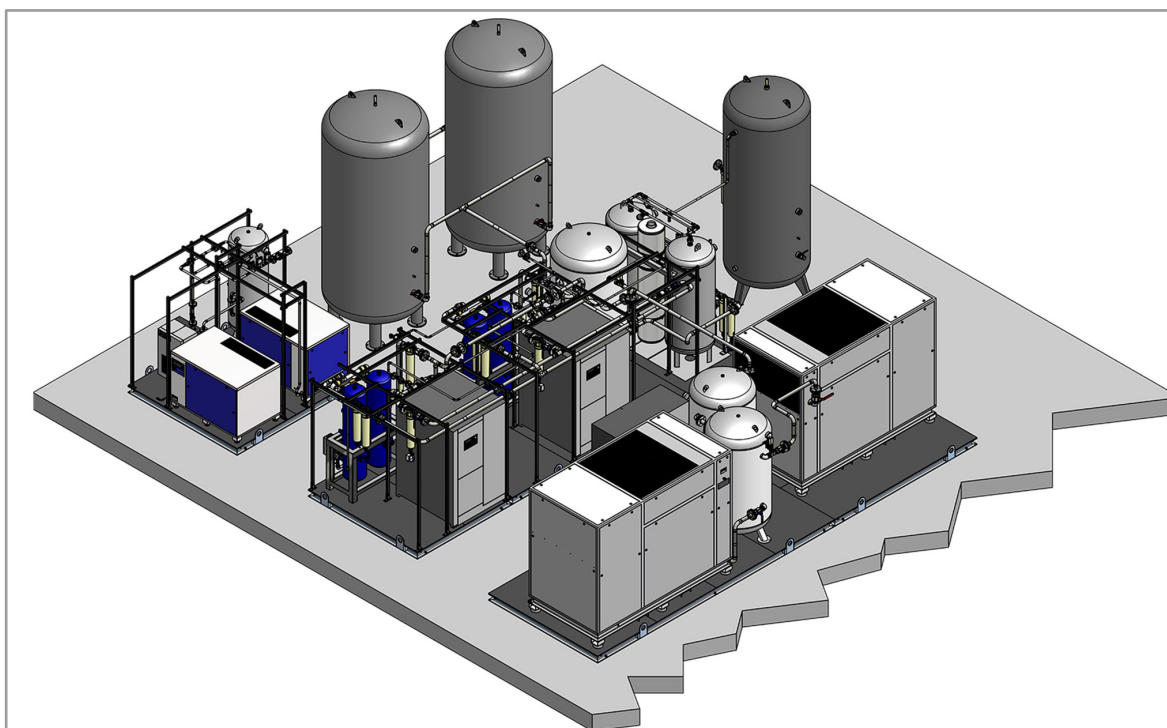
- A) Compressed Air Station
- B) Air treatment to ISO 8573-1 Class 1.2.1
- C) Compressed Air Buffer Tank
- D) PSA Nitrogen Generator, NITROBERG®
- E) Product Nitrogen Tank
- F) Boosting Station / Cylinder Filling Station

Ambient conditions and Apply Standard

- Temperature range: +5°C to +40°C
- Electrical connection: 110-230 V/60-50 Hz
- Noise level: from 55 to max. 78 dB(A)
- Accordance with DIN ISO 13485:2003 & European Directive 68/2014/EU

Calculation of the compressed air requirements

Nitrogen content (%)	97%	98%	99%	99.50%	99.90%	99.99%	99.999%
Air factor	2.1	2.3	2.5	2.9	3.9	5.5	6.6



PSA NITROGEN GENERATOR

PRODUCTION PRINCIPLE

The Nitrogen generator is also composed of two separation vessels, but is filled with carbon molecular sieve (CMS) Oxygen is adsorbed in a molecular sieve and Nitrogen is passing through CMS to the Nitrogen buffer. As soon as the PSA tank approaches Oxygen saturation, the process switches to the second PSA tank and the adsorbed Oxygen in the first PSA tank is released to the ambient air. The NITROBERG® series offers all the advantages of a fully integrated in-house production system.

Product Specification

Description

Twin column, heavy duty,
Nitrogen generators made to work 24/7 in demanding
with load conditions of up to 100%.

Column vessels

Twin vessels manufactured according to the Pressure

Equipment

Directive and with the stringent German Technically
Supervisory Board [TÜV] approval.

Adsorbent material

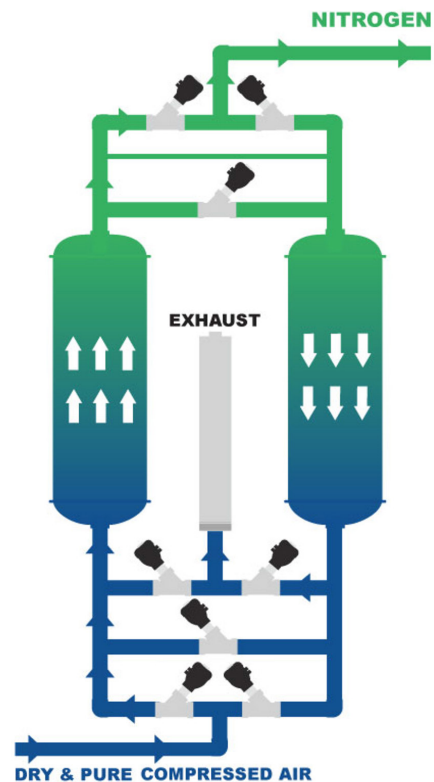
High quality, long-life Carbon molecular sieve CMS with
industry leading energy air factors resulting in the lowest
possible differential pressure as well as most economic
air to Oxygen ratios. Our molecular sieve has an expected
lifetime of more than 10 years and is not classed as a
consumable exchange

Piping

All process piping is in galvanized steel, or stainless steel
press-fitted pipes type Viga for maximum durability and
leak free operation.

Instrumentation & Measurement

- Purity analyzer and sensor with Zirconium sensor for long lifetime and high accuracy displays in HMI
- Outlet pressure sensor displays on HMI
- Pressure indicator on each column vessel
- Pressure indicator at inlet pressure regulator
- Pressure indicator at outlet pressure regulator
- Ready to connect with electro cable and plugin



Control & Monitoring

Multifunctional, color touch control panel with Siemens 7“
HMI offering unique features and controllability is used
as an industry leading, state of the art Human Machine
Interface [HMI] Features include:

- Automatic, Continuous Mode Start & Stop Button
- Display operating and measurement values - purity, outlet pressure, operating hours and all other connected measurement sensor values
- Values displayed in metric or imperial values
- Display of trends – all measurement values can be displayed as trend
- Alarm management – Audit trail of raised alarms, acknowledgment, deleted with time/date stamp and permanent alarm history
- Change of purities with a push of a button
- Access management with 3 hierarchy levels for access control
- Automatic service reminders for periodic maintenance
- Long term process data storage

APPLICATION FIELDS GENERATOR

For Our PSA Nitrogen Generator

FOOD AND BEVERAGE



PSA Nitrogen Generators provide a reliable, on-site source of high-purity Nitrogen is essential for the food and beverage industry.



They preserve the freshness of packaged foods, improve beverage quality, and support various food processing operations. Their use enhances product quality, extends shelf life, and boosts efficiency in manufacturing.

OIL AND GAS INDUSTRY



PSA Nitrogen Generators are vital in the oil and gas industry, supporting drilling, enhanced oil recovery, pipeline maintenance, gas storage, refining, and shutdown operations. They provide a continuous, on-site supply of high-purity Nitrogen, improving safety, efficiency, and cost-effectiveness across various applications.



MANUFACTURING PLASTIC INDUSTRY



PSA Nitrogen Generators are crucial in the plastic manufacturing industry, supporting production, molding, extrusion, and recycling processes. They create controlled atmospheres, prevent oxidation, and facilitate purging, improving efficiency, quality, and sustainability in plastic manufacturing operations.

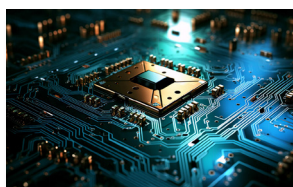


They create controlled atmospheres, prevent oxidation, and facilitate purging, improving efficiency, quality, and sustainability in plastic manufacturing operations.

ELECTRONICS AND COMMUNICATION



PSA Nitrogen Generators are essential in the electronics and communication industry, supporting the production, assembly, testing, and



protection of electronic components. They create controlled atmospheres, prevent oxidation and regulate moisture levels, enhancing the reliability, quality, and performance of electronic devices.

LASER CUTTING INDUSTRY



PSA Nitrogen Generators are essential in the laser cutting industry, offering a continuous and controlled supply of high-purity Nitrogen. They



enhance cut quality, improve efficiency, and ensure a safer working environment. Nitrogen prevents oxidation, supports precise cutting, and optimizes performance across various materials.

VEGETABLE OILS



PSA Nitrogen Generators are essential in vegetable oil production, processing, and storage. They prevent oxidation, extend shelf life,



and enhance oil quality. Their versatility makes them invaluable for creating controlled atmospheres across various stages of the vegetable oil industry.

CHEMICALS INDUSTRY



PSA Nitrogen Generators are essential in the chemicals industry, providing a reliable on-site source of high-purity Nitrogen. They support



inerting, blanketing, purging, and other processes, enhancing safety, efficiency, and quality in chemical manufacturing and processing operations.

PHARMACEUTICAL



PSA Nitrogen Generators are essential in the pharmaceutical industry, providing a reliable on-site source of high-purity



Nitrogen. They support inerting, blanketing, purging, and analytical processes, enhancing safety, efficiency, and quality in manufacturing, storage, and quality control operations.

NITROGEN Complete Package NITROBERG®

NITROBERG® Plug and Play Systems

NITROBERG® Compact systems produce Nitrogen with a purity of up to 5.0 or 6.0 with an even high pressure booster. All components are combined on a compact platform to form a plug and play system. This ensures easier transport, immediate installation and immediate start-up on site with extremely low power & compressed air consumption.

PROCEEDINGS

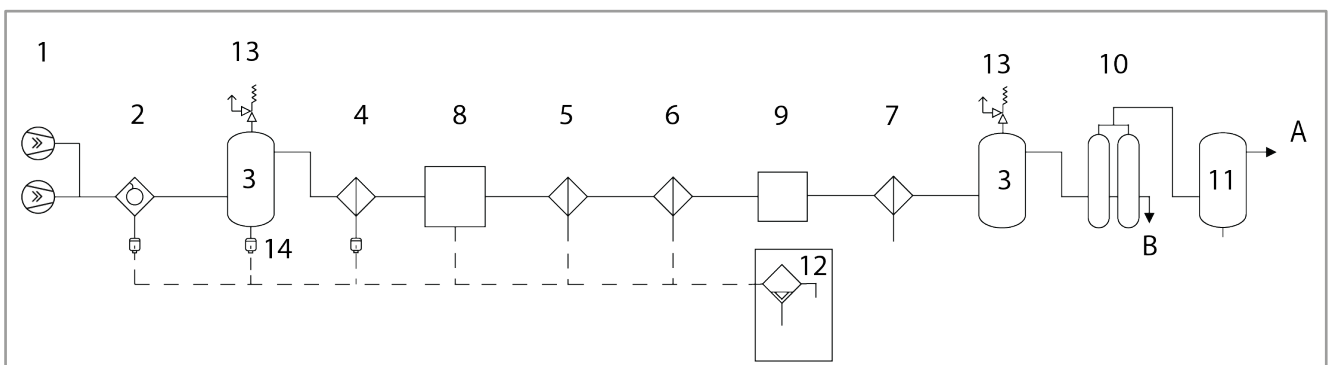
The interaction of the NITROBERG® generators with the energy-saving air distribution system maximizes the efficiency of Nitrogen production. The Nitrogen from the NITROBERG® system will be cleaned from O₂ and the N₂ purity is increased to up to 99.9999% Thanks to our innovative system, you can produce ultra-pure Nitrogen with significantly smaller air compressors!

ADVANTAGES:

- Plug & Play system - immediately operational
- Increased efficiency, low-maintenance design
- High quality, worldwide service
- Small footprint, easy handling
- Innovated air distribution system.
- **Automatic blending Air factor 2.9 at 99.5% (1 Nm³ N₂ = 2.9 Nm³ compressed air)**
- Constant measurement of N₂ purity and the outlet pressure
- Trend display, recipe management
- Data backup, multilingualism Remote Control, Query & Control, E-mail alert, Industry 4.0 - optional
- Protect the machine from moisture with a PDP sensor for inlet compressed air - optional

N₂ Plant sample installation

1. Screw Compressor (Multi stage)
 2. Water Separator
 3. Compressed air tanks
 4. Pre filter
 5. Fine filter
 6. Super fine filter
 7. Dust filter
 8. DRYBERG - Refrigeration/Adsorption Dryer
 9. Activated Carbon Tower
 10. NITROBERG® - PSA Nitrogen Generator
 11. Compressed Nitrogen tanks
 12. OWAMAT® - Oil / Water Separator
 13. Safety valves
 14. BEKOMAT®
- A. Nitrogen
B. Oxygen-enriched air outlet





Technical Data of PSA Nitrogen Generator NITROBERG® - Capacity (Nm³/h)									
Model	Nitrogen Purity Quality grade Residual O ₂ (PPM)	97% -	98% -	99% 2.0 10000	99.5% 2.5 5000	99.9% 3.0 1000	99.99% 4.0 100	99.995% 4.5 50	99.999% 5.0 10
NITROBERG® 500	N ₂ , Nm³/h	17.3	14.9	12.6	9.2	5.1	2.8	2.1	1.4
	Comp.air, Nm³/h	39.8	34.3	32.8	26.7	18.4	14.3	12.0	9.7
	Nitrogen vessel	90	90	90	90	90	90	90	90
	Comp. air vessel	150	150	150	150	150	150	150	150
NITROBERG® 600	N ₂ , Nm³/h	25.9	22.6	18.1	13.4	7.2	3.9	2.9	2.1
	Comp.air, Nm³/h	59.6	52.0	47.1	38.9	25.9	19.9	16.5	14.5
	Nitrogen vessel	90	90	90	90	90	90	90	90
	Comp. air vessel	150	150	150	150	150	150	150	150
NITROBERG® 700	N ₂ , Nm³/h	37.3	33.6	27.3	20.8	11.6	6.1	4.5	3.1
	Comp.air, Nm³/h	85.8	77.3	71.0	60.3	41.8	31.1	25.7	21.4
	Nitrogen vessel	150	150	150	150	150	150	150	150
	Comp. air vessel	250	250	250	250	250	250	250	250
NITROBERG® 800	N ₂ , Nm³/h	49.6	44.6	36.3	27.6	15.4	8.2	5.9	4.1
	Comp.air, Nm³/h	114.1	102.6	94.4	80.0	55.4	41.8	33.6	28.3
	Nitrogen vessel	150	150	150	150	150	150	150	150
	Comp. air vessel	250	250	250	250	250	250	250	250
NITROBERG® 900	N ₂ , Nm³/h	59.3	53.3	46.1	37.4	23.0	11.6	8.7	5.7
	Comp.air, Nm³/h	136.4	122.6	119.9	108.5	82.8	59.2	49.6	39.3
	Nitrogen vessel	350	350	350	350	250	250	250	250
	Comp. air vessel	750	750	750	750	500	500	500	500
NITROBERG® 1000	N ₂ , Nm³/h	83.2	75.2	63.4	51.5	37.2	23.4	16.6	10.6
	Comp.air, Nm³/h	191.4	173.0	164.8	149.4	122.8	110.0	86.3	67.8
	Nitrogen vessel	750	750	750	750	500	500	500	500
	Comp. air vessel	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
NITROBERG® 1100	N ₂ , Nm³/h	115.8	97.2	79.2	67.3	47.7	27.6	20.8	14.1
	Comp.air, Nm³/h	266.3	223.6	205.9	195.2	157.4	129.7	108.2	90.2
	Nitrogen vessel	750	750	750	750	750	750	750	750
	Comp. air vessel	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
NITROBERG® 1200	N ₂ , Nm³/h	139.9	127.8	107.7	87.5	63.2	39.6	28.2	18.1
	Comp.air, Nm³/h	321.8	293.9	280.0	253.8	208.6	186.1	146.6	115.8
	Nitrogen vessel	750	750	750	750	750	750	750	750
	Comp. air vessel	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
NITROBERG® 1300	N ₂ , Nm³/h	212.9	186.1	141.6	118.9	89.5	50.0	38.1	26.2
	Comp.air, Nm³/h	489.7	428.0	368.2	344.8	295.4	235.0	198.1	167.7
	Nitrogen vessel	1,500	1,500	1,500	1,500	1,000	1,000	1,000	1,000
	Comp. air vessel	2,000	2,000	2,000	2,000	1,500	1,500	1,500	1,500
NITROBERG® 1400	N ₂ , Nm³/h	304.9	267.3	209.9	181.7	126.7	73.4	55.4	37.6
	Comp.air, Nm³/h	701.3	614.8	545.7	526.9	418.1	345.0	288.1	240.6
	Nitrogen vessel	2,000	2,000	2,000	2,000	1,500	1,500	1,500	1,500
	Comp. air vessel	3,000	3,000	3,000	3,000	2,000	2,000	2,000	2,000
NITROBERG® 1500	N ₂ , Nm³/h	367.3	319.8	239.6	198.9	149.5	88.7	66.9	45.8
	Comp.air, Nm³/h	844.8	735.5	623.0	576.8	493.4	416.9	347.9	293.1
	Nitrogen vessel	3,000	3,000	3,000	3,000	2,000	2,000	2,000	2,000
	Comp. air vessel	4,000	4,000	4,000	4,000	3,000	3,000	3,000	3,000
NITROBERG® 1600	N ₂ , Nm³/h	441.2	382.9	287.5	238.6	179.6	106.5	81.1	55.1
	Comp.air, Nm³/h	1,014.8	880.7	747.5	691.9	592.7	500.6	421.7	352.6
	Nitrogen vessel	4,000	4,000	4,000	4,000	3,000	3,000	3,000	3,000
	Comp. air vessel	6,000	6,000	6,000	6,000	4,000	4,000	4,000	4,000
NITROBERG® 1700	N ₂ , Nm³/h	536.8	462.4	346.5	288.2	224.6	128.4	94.9	64.4
	Comp.air, Nm³/h	1,234.6	1,063.5	900.9	835.8	741.2	603.5	493.5	412.2
	Nitrogen vessel	4,000	4,000	4,000	4,000	3,000	3,000	3,000	3,000
	Comp. air vessel	6,000	6,000	6,000	6,000	4,000	4,000	4,000	4,000
NITROBERG® 1800	N ₂ , Nm³/h	694.9	606.8	459.6	378.8	295.8	167.2	122.6	85.1
	Comp.air, Nm³/h	1,598.3	1,395.6	1,195.0	1,098.5	976.1	785.8	637.5	544.6
	Nitrogen vessel	5,000	5,000	5,000	5,000	3,000	3,000	3,000	3,000
	Comp. air vessel	8,000	8,000	8,000	8,000	6,000	6,000	6,000	6,000
NITROBERG® 1900	N ₂ , Nm³/h	894.6	777.4	575.7	478.6	359.7	213.8	161.6	109.8
	Comp.air, Nm³/h	2,057.6	1,788.0	1,496.8	1,387.9	1,187.0	1,004.9	840.3	702.7
	Nitrogen vessel	6,000	6,000	6,000	6,000	4,000	4,000	4,000	4,000
	Comp. air vessel	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000
NITROBERG® 2000	N ₂ , Nm³/h	1,057.7	921.1	689.4	572.8	435.3	259.8	192.6	133.6
	Comp.air, Nm³/h	2,432.7	2,118.5	1,792.4	1,661.1	1,436.5	1,221.1	1,001.5	855.0
	Nitrogen vessel	6,000	6,000	6,000	6,000	4,000	4,000	4,000	4,000
	Comp. air vessel	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000

*All values apply at 7 bar inlet pressure and 20°C ambient temperature.

*If the bigger size or customized plant is needed, please contact us.

OEM PROGRAM: CUSTOMIZED PSA GENERATORS

Manufactured by BERG GaseTech GmbH

At BERG GaseTech GmbH, we specialise in offering a comprehensive OEM program for PSA (Pressure Swing Adsorption) oxygen and nitrogen generators. This program is designed to provide customised manufacturing solutions, enabling businesses to market high-quality gas generation systems under your own brand name and specifications.

What Our OEM Program Offers:

1. **Private Labeling:** Manufacture PSA generators with your brand name and logo.
2. **Custom Colors and Designs:** Tailored to match your corporate identity and visual standards.
3. **Flexible Configurations:** Designed to meet your unique operational requirements and application needs.
4. **High-Quality Standards:** German engineering excellence ensures robust, reliable, and efficient performance.
5. **Scalable Solutions:** From small-scale units to large industrial systems, we cater to businesses of all sizes.

Benefits of Partnering with BERG GaseTech GmbH:

- **Made in Germany:** Every generator is crafted with the precision and quality assurance that Germany is known for.
- **Expand Your Product Portfolio:** Seamlessly integrate PSA generators into your existing offerings.
- **Enhance Brand Value:** Leverage our proven expertise to deliver premium-quality products under your brand.
- **Reduce Development Time:** Access ready-to-market solutions with minimal lead time.
- **Comprehensive Support:** From design to delivery, our team provides full technical and logistical assistance.

Applications of Our OEM Generators:

- **Medical and Healthcare:** Custom oxygen generators for hospitals, clinics, and emergency services.
- **Industrial Processes:** Nitrogen generators for chemical, pharmaceutical, and manufacturing industries.
- **Food and Beverage:** Gas solutions for preservation, packaging, and inerting.
- **Energy and Welding:** Reliable high-purity gases for specialized applications.

Why Choose BERG GaseTech GmbH?

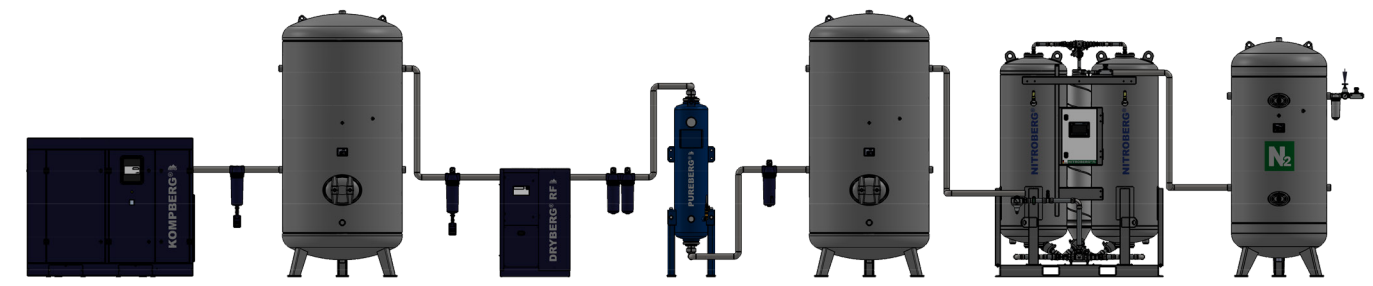
As a trusted OEM partner, we are committed to helping businesses succeed by delivering customised PSA generators that align with their branding and operational goals. Our solutions reflect the highest standards of quality, efficiency, and durability, ensuring long-term value for your customers.

For inquiries about our OEM program and how we can support your business, visit [www.berg-gasetech.de](<https://www.berg-gasetech.de>) or contact us directly. Together, let's build your brand with our expertise!





BERG GaseTech GmbH
Nitrogen & Oxygen Generators



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