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RELIABLE EFFICIENT AIR & GAS SYSTEMS



NOVA GAS INDUSTRY

Sustainable Environmentally Friendly Technology



Powered by smart technologies, our reliable systems provide efficient solutions that improve the performance and sustainability of your business.

SMART TECHNOLOGY RELIABLE SYSTEM EFFICIENT SOLUTIONS



NOVA GAS INDUSTRY

ABOUT US



We have developed sustainable systems by prioritising energy efficiency with our 23 years of deep-rooted production experience and high quality understanding.



Nova Gas Industry is proud to offer optimised solutions to our customers by focusing on sustainability and efficiency in the production of nitrogen generators, nova-air oil-free dry air laser cutting systems, oxygen generators, desiccant air dryers, carbon tower integrated desiccant air dryers and carbon towers. Starting from the design phase of your project, all critical stages in production, commissioning and after-sales services are managed from a single point.

Thanks to the meticulous work of our experienced business development engineers, our systems offer long-lasting and economical solutions to the needs of different sectors.

In commissioning and after-sales service processes, our competent service technicians are always at your side to ensure the smooth and long-lasting operation of your systems.

Our experienced engineers develop systems for a wide range of applications with their meticulous work centred on energy optimisation. While we make a difference with our expertise in production and high quality standards, our strong sales team analyses your needs in the best way and offers tailor-made solutions.



—
**23 Years
Trust
Experience
Quality**

OUR MISSION

In line with our sustainability and efficiency principles, we offer long-lasting and cost-efficient solutions in the fields of nitrogen generators, oxygen generators, desiccant dryers and air cutting systems, prioritising energy optimisation for the specific needs of our customers. By managing all processes from the design stage to after-sales services from a single centre, we aim to maximise customer satisfaction and contribute to a sustainable future.

OUR VISION

We aim to be a partner in the global success of our customers by offering sustainable and innovative solutions by focusing on energy efficiency in air and gas systems with our 23 years of experience and understanding of quality



PRODUCTS

1. NITROGEN GENERATOR
2. NOVA-AIR OIL-FREE DRY AIR LASER CUTTING SYSTEMS
3. OXYGEN GENERATOR
4. DESICCANT AIR DRYER
5. CARBON TOWER INTEGRATED DESICCANT AIR DRYER
6. CARBON TOWER



NITROGEN GENERATOR

DISCOVER ECONOMICAL AND
EFFICIENT NITROGEN
GENERATORS!

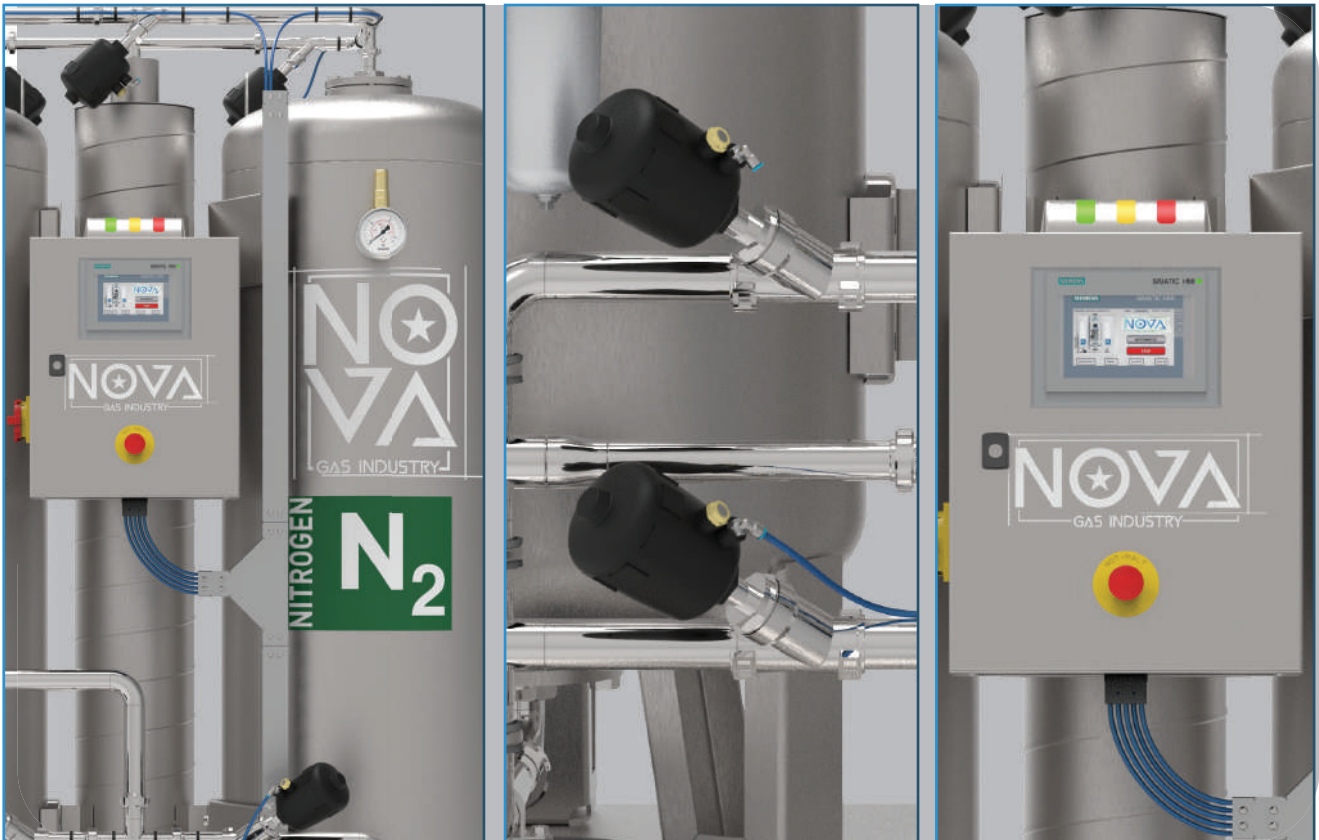


PRODUCE YOUR OWN NITROGEN GAS WITH CONFIDENCE!

Nitrogen Generators developed by Nova Gas Industry are designed with advanced **PSA (Pressure Swing Adsorption) Technology**, guaranteeing high purity and uninterrupted nitrogen gas production in industrial processes. Modern, intelligent and next-generation systems are optimized to increase the operational efficiency of enterprises and reliably meet the gas needs of production processes

As Nova Gas Industry, we provide **high quality, economical and reliable nitrogen gas solutions to ensure the uninterrupted continuity of your industrial production** processes. With our expert engineering team and advanced technology products, we meet the nitrogen needs of businesses in the most efficient way.

New Generation Technology, Powerful Production!



NEW GENERATION SOLUTIONS FOR INDUSTRIAL NITROGEN GAS PRODUCTION



Save
up to
70%

Low Operating Costs:

Optimize your operational processes by eliminating your dependence on cylinder and liquid nitrogen supply. Achieve long-term cost savings of up to 70% by producing your own nitrogen gas and completely eliminate supply chain risks.



95% to
99.999%
Purity

Superior Purity Performance:

We offer fine-tunable nitrogen gas purity from 95% to 99.999%, tailored to your industrial requirements. Even in your most critical applications, we provide high-quality nitrogen gas with sustainable efficiency, adding power and efficiency to your operations.



Long
life

Durable and Long Lasting Design:

Our equipment is meticulously engineered for uninterrupted performance in even the most severe industrial conditions. It features high-quality components specially developed for long-term, trouble-free use.



Sustainable Production Technology:

Invest in the future with our technology solutions developed with a low carbon footprint for an environmentally friendly and sustainable production model.

NITROGEN GENERATOR TECHNICAL

MODEL NAME	CAPACITY (m ³ /h)	CAPACITY (m ³ /h)	CAPACITY (m ³ /h)	CAPACITY (m ³ /h)	CAPACITY (m ³ /h)	CAPACITY (m ³ /h)	CAPACITY (m ³ /h)	CAPACITY (m ³ /h)	CAPACITY (m ³ /h)
Purity %	95	97	98	99	99.5	99.9	99.99	99.995	99.999
Quality				2	2.5	3	4	4.5	5
Remaining O ₂ (PPM)				10000	5000	1000	100	50	10
NGS-N 115	5.7	4.2	4.1	3.2	2.6	1.6	0.9	0.7	0.4
NGS-N 120	10.8	8.7	7.9	5.8	5.1	3.2	1.3	1.1	0.9
NGS-N 140	16.5	13.4	12	9	7.7	4.8	2.4	1.8	1.3
NGS-N 150	20.8	17.1	15.8	12.6	9.5	6.3	3.2	2.5	1.8
NGS-N 160	31.2	25.6	23.7	18.9	14.2	9.5	4.8	3.6	2.4
NGS-N 1100	49.2	40.1	35.6	28.4	22.1	12.6	6.3	4.8	3.2
NGS-N 1150	84	59.9	53.8	46.6	37.8	23.2	11.7	8.8	5.8
NGS-N 1220	105	84	76	64	52.4	37.6	23.6	16.8	10.7
NGS-N 1270	141	117	98	80	68	48.2	27.9	21	14.2
NGS-N 1350	211	174	146	115	100	71.9	41.8	31.5	21.3
NGS-N 1500	260	215	188	143	120	86	50.5	38.5	26.5
NGS-N 1750	372	308	270	206	170	128	74.1	56	38
NGS-N 2750	744	616	540	412	340	256	148.2	112	76
NGS-N 11000	440	366	320	240	200	151.5	88	66.5	45
NGS-N 21000	880	732	640	480	400	303	176	133	90
NGS-N 11500	630	522	457	350	285	216.8	125.7	94.8	64
NGS-N 12000	910	756	661	505	420	312.9	181	137	93
NGS-N 12500	1142	945	826	630	540	391.6	226.7	171.3	116
NGS-N 13000	1370	1134	992	756	650	470.2	272.5	206.2	140
NGS-N 3000	1590	1320	1155	875	750	560	325	245	166
NGS-N 4000	1825	1510	1320	1000	855	625	360	275	185
NGS-N 5000	2300	1910	1655	1250	1000	750	450	340	230
NGS-N 6000	2750	2270	1990	1500	1250	950	550	415	280

Uninterrupted Nitrogen, Maximum Efficiency!



NOVA NITROGEN GENERATOR

TECHNICAL SPECIFICATIONS

Designed to meet the requirements of your industrial operations, our high performance and reliable nitrogen generators offer a sustainable and economical nitrogen generation solution with Pressure Swing Adsorption (PSA) technology, significantly increasing your operational efficiency.

PSA Technology:

Independently produce your nitrogen gas on site, eliminating your dependence on external sources and reliably ensuring an optimal return on your investment

High Purity Performance:

Thanks to Carbon Molecular Sieve (CMS) technology, it offers the possibility of high purity nitrogen production starting from 95% and reaching up to 1 ppm level (99.999%).

Uninterrupted and Reliable Operation:

With its 7 days 24 hours a day, 24 hours a day working principle and long life, durable design, provides continuity in your production processes.



Wide Capacity Options

With a wide range of production capacities from 0.5 Nm³/h to 2.750 Nm³/h, solutions suitable for different operating requirements are offered.

Superior Hardware and Reliability

High performance Burkert brand pneumatic valves. Safe operation with dewpoint measurement and integrated protection mode. IP55 protection class for harsh industrial environments.

Advanced Control and Integration

Precise Nitrogen Purity Measurement with Zirconium Dioxide Sensor User friendly interface with Siemens PLC and 7" touch screen. Easy automation integration with Modbus / Profibus / RMB support.

SUPERIOR CUTTING QUALITY WITH 99.999% PURITY NITROGEN GAS IN LASER CUTTING

In industrial laser cutting processes, cutting edge quality, process speed and protection of the material surface against oxidation are critical. Nitrogen gas with 99.999% purity provides a high-performance and economical solution for cutting materials such as carbon steel, stainless steel and aluminum, increasing production efficiency.

Oxidation-Free Cutting Quality

The 99.999% pure nitrogen gas prevents the formation of oxides on the material surface during cutting, resulting in smooth, clean and bright cutting edges.

Cost Effective Solution

This industrial-standard purity level optimizes operational costs while delivering high quality cutting performance.

High Production Efficiency

It maximizes the efficiency of your production processes by providing high cutting speed in harmony with laser cutting machines.

Wide Material Compatibility

Effective cutting performance on carbon steel, stainless steel, aluminum and many similar metal types.

Suitability for Industrial Applications

It is fully compatible with CNC controlled laser cutting systems and can be used safely in mass production processes.

Low Operating and Maintenance Costs

Significantly reduce your operational costs and external dependency with the advantage of minimal maintenance and on-site production.

MAKE A DIFFERENCE WITH 40 BAR PRESSURE NITROGEN GENERATOR!

INSTALLATION DIAGRAM 40 BAR



**UNINTERRUPTED PRODUCTION,
PERFECT CUTTING!**



REVOLUTION IN LASER CUTTING WITH 200 BAR NITROGEN GENERATOR!

INSTALLATION DIAGRAM 200 BAR



HIGH PRESSURE, HIGH PERFORMANCE!



MODIFIED ATMOSPHERE PACKAGING (MAP) FOOD GAS

If you are looking for a natural solution that reduces the growth of microorganisms and prevents oxidation reactions, Modified Atmosphere Packaging (MAP) is the right solution for you.

What are MAP Food Gases and why are they used?

Normally, air consists of about 21% oxygen, 78% nitrogen and less than 0.1% carbon dioxide. One of the main factors in food spoilage is oxidation and microbial growth. The MAP method slows down these processes by reducing the oxygen level in the product and packaging.



GAS MIXTURE IN MAP APPLICATIONS

The proportion of the gas mixture used in MAP depends on the type of product being packaged, its characteristics and storage conditions.

- **For red meat products**, high oxygen content mixtures help preserve the red color of the meat, while also containing CO₂ to prevent spoilage.
- **White meat and fish products** are usually packaged with mixtures containing high CO₂ and low O₂.
- **For fruits and vegetables**, special gas mixtures (Active MAP or Passive MAP) are used according to the respiration rate of the product.
- **For bakery products**, nuts and snacks, high nitrogen and low oxygen mixtures are generally preferred.

MAP technology is an important advancement in the food industry to ensure the freshness and safety of food.

On-site Mixing Unit

Multiple units can be used together for special uses or the Map Food Gas mix ratios can be changed to suit your changing needs.

Please consult with Nova Gas Industry Technical Team for your product packaging.



ADVANTAGES OF MAP FOOD GAS

- **Extending shelf life:** Keeps products fresher for longer.
- **Maintaining quality:** Preserves the nutritional value, color, aroma and flavor of foods.
- **Increasing food safety:** Reduces the risk of foodborne illness by preventing the growth of harmful microorganisms.
- **Reducing the use of chemical preservatives:** Provides the opportunity to offer natural and additive-free products.
- **Reducing product loss and waste:** Prevents economic losses by slowing down spoilage.

Food Grade Equipment

- 0.01 µm filtration on all gas inlets
- Complies with relevant legislation and HACCP principles
- Parts compliant with European standard EC 1935/2004 and food grade
- 100% pneumatic system for optimum reliability

LONG LASTING FRESHNESS



SECTORS USING NITROGEN GENERATORS

1. Metalworking and Welding Sector

- **Laser Cutting and Welding:** Protective gas to prevent oxidation
- **Heat Treatment Processes:** In surface hardening processes of metals.

2. Chemical and Petroleum Industry

- **Chemical Storage:** Storage of flammable and explosive chemicals in an inert atmosphere.
- **Refineries and Petrochemicals:** To reduce the risk of fire and to control reactions.

3. Electronics and Semiconductor Industry

- **Manufacturing Processes:** In soldering and assembly processes to prevent oxidation.
- **LCD and LED Production:** Pure nitrogen is used in sensitive production environments.

4. Pharmaceutical and Medical Sector

- **Pharmaceutical Production and Packaging:** To provide a sterile environment and prevent oxidation.
- **Laboratories:** Inert gas is needed in sensitive analyses.

5. Food and Beverage Industry

- **Packaging (Modified Atmosphere Packaging - MAP):** Provides an oxygen-free environment to extend the shelf life of foods.
- **Wine and Soft Drink Production:** Purging of tanks and bottles with inert gas
- **Oil Production:** Use of nitrogen to prevent oxidation.

6. Plastics and Rubber Industry

- **Injection Molding:** Used to prevent oxygen from contacting the resin.
- **Extrusion:** Used in foam production.

7. Energy and Battery Production

- **Lithium-Ion Battery Production:** Inert atmosphere to reduce fire risk.
- **Power Plants:** Used in gas isolation systems.

8. Fire Suppression Systems

- **Oxygen Removal:** Fire prevention in sensitive areas (data centers, museums).

9. Aerospace

- **Fuel Tank Inertization:** Explosion prevention in aircraft and spacecraft.

10. Laboratory and Analytical Applications

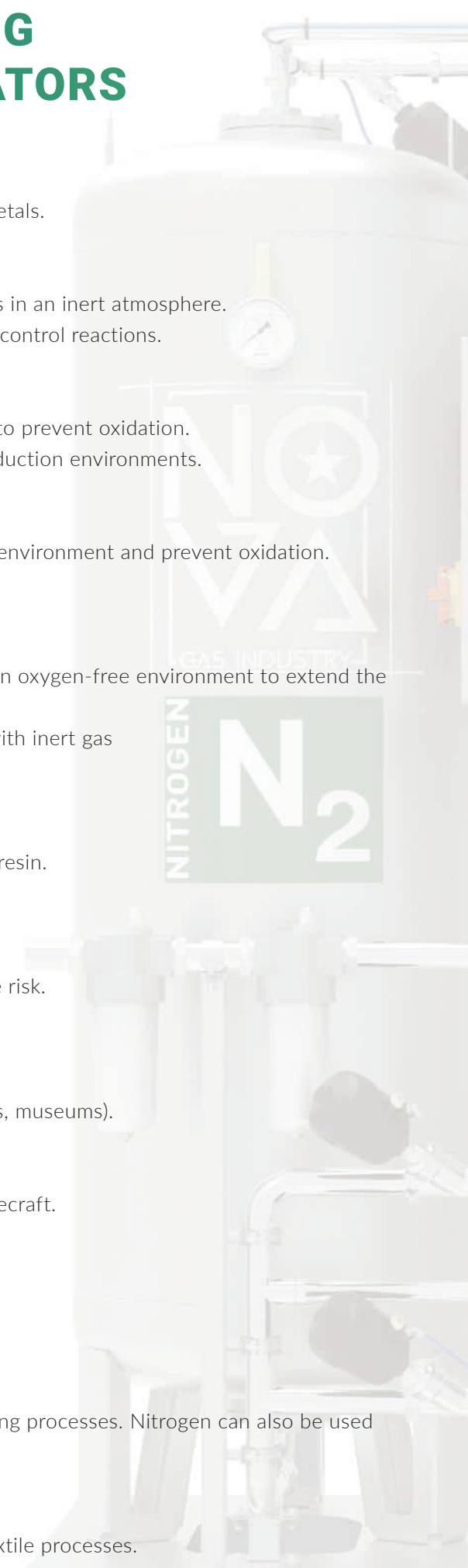
- **Gas Chromatography (GC):** As a carrier gas
- **Spectroscopy:** Protection of devices.

11. Automotive Industry

- **Automotive Industry:** Used to improve quality in paint and coating processes. Nitrogen can also be used in tire filling.

12. Textile Industry

- **Textile Sector:** Used to provide an inert environment in some textile processes.





Nova Gas Industry Systems;

It offers remote, real-time monitoring, control and intervention of all critical parameters such as pressure, flow rate, purity level.

SMART AUTOMATION SYSTEMS

The operating status of your systems, pressure, flow rate, purity level and all other critical parameters can be managed with **remote real-time monitoring, control and intervention**. This advanced feature is an integrated solution available as an option.



Real Time Tracking

Critical parameters are monitored instantaneously, keeping system performance under constant control.



Remote Fast Response

In case of any malfunction, remote access to the systems enables rapid intervention.



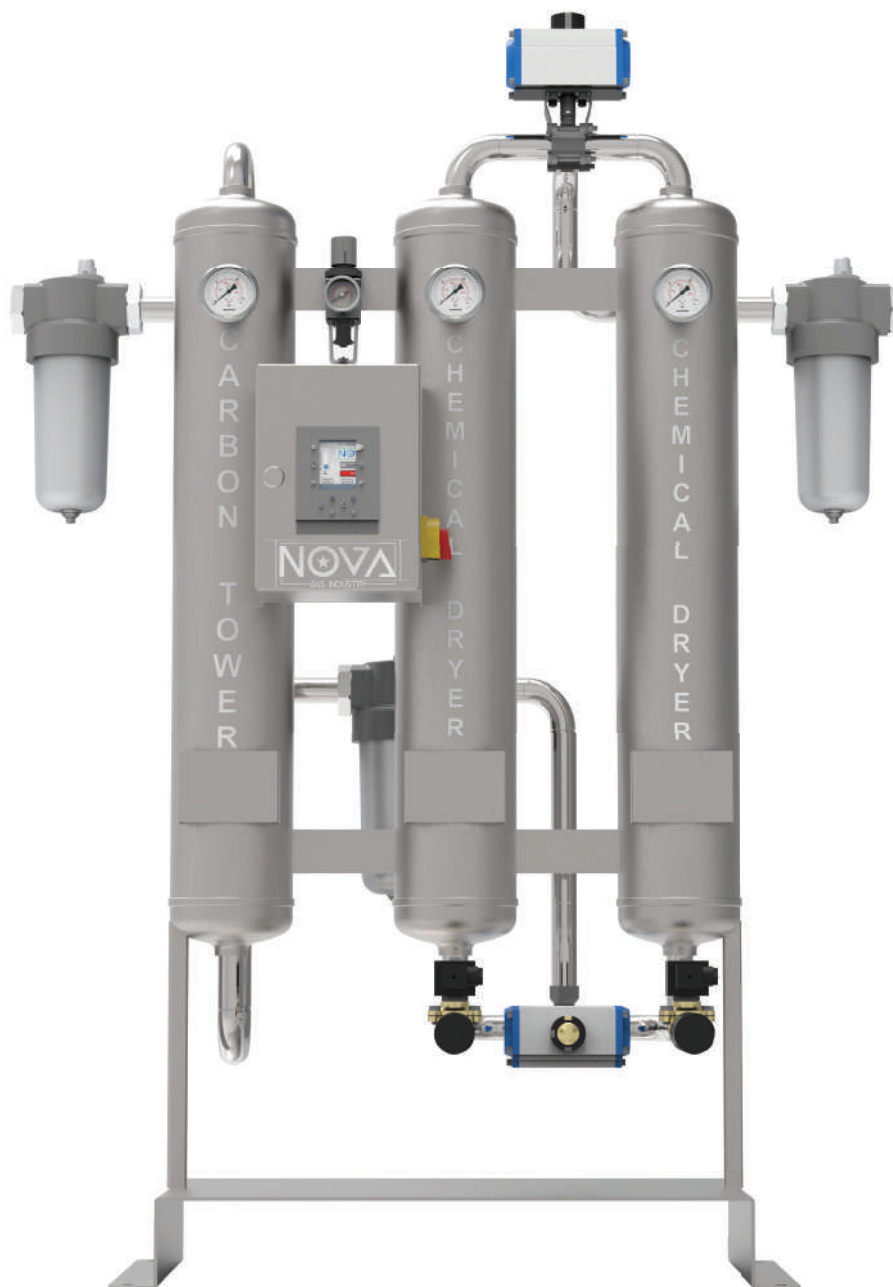
Integrated Solution Flexibility

It is offered as an option according to needs and fully adapts to different operating structures.

NOVA-AIR

OIL-FREE DRY AIR LASER CUTTING SYSTEMS

To improve the efficiency and quality of your industrial laser cutting processes, Nova-air oil-free dry air systems deliver superior performance in even the most demanding applications. Our high-tech design provides 100% oil-free, dry and clean air for your laser cutting machines, optimizing cutting quality and extending equipment life.



WHY NOVA-AIR DRY AIR LASER SYSTEMS?

- **Oil-free Air Technology:** Protect the life of your laser optics with 100% oil-free air production.
- **High Capacity:** 5000 hours of continuous operation
- **Smart Control:** Continuous Optimized Performance with automatic humidity and pressure regulation
- **Industrial Durability:** Long-life design suitable for heavy duty conditions
- **Dewpoint Control Panel:** Automatic dew point adjustment (down to -40°C)
- **Dynamic Pressure Compensation:** Continuous constant pressure with 0.5 bar sensitivity
- **Technological Advantages:** 25% increase in system efficiency with automatic algorithms according to user conditions
- **High Cutting Quality:** Maintains process accuracy by keeping optical surfaces and cutting area clean.
- **Extends Equipment Life:** Protects the internal components of the laser system from the harmful effects of dew.



THE SYMBOL OF SAFETY IN LASER CUTTING SYSTEMS DEWPOINT CONDENSATION CONTROL PANEL

Laser cutting technology is characterized by high precision and efficiency in industrial production. However, ensuring uninterrupted and high quality operation of these systems depends not only on the performance of laser sources but also on the control of environmental factors. At this point, the Dewpoint, developed to improve the performance and safety of **laser cutting systems**, plays a critical role.



HOW DOES THE DEWPOINT CONDENSATION CONTROL PANEL WORK?

Dewpoint control panel continuously monitors ambient conditions through sensors integrated into the system. This system works through three basic functions to eliminate potential hazards in advance.

01

Dewpoint

The Dewpoint is activated when it detects a risk of dew formation in the environment. This detection is provided by high-precision sensors.

02

Fast Response

Dewpoint, the control mechanism of the cabinet automatically cuts off the cutting air to the laser system. This step prevents damage to the laser optics.

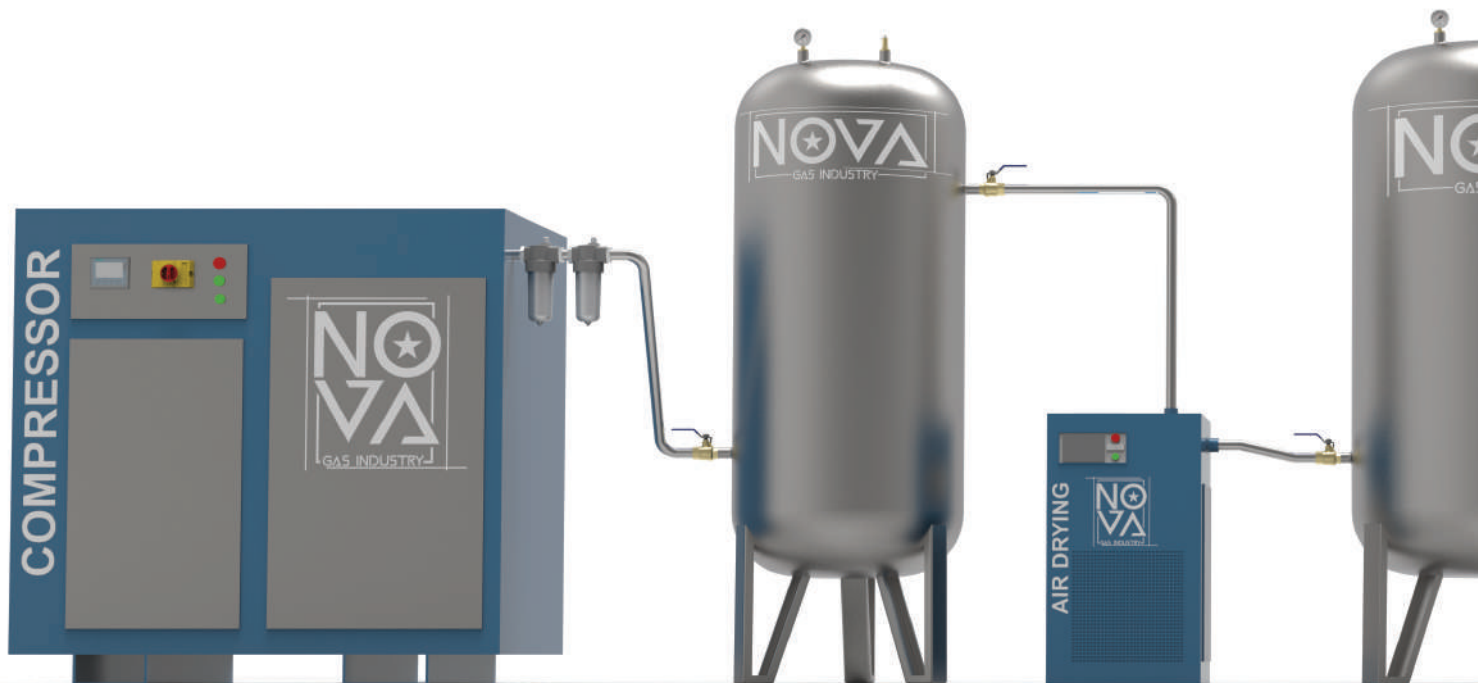
03

Evacuation Process

The intelligent control system safely exhausts the available cutting air to the outside, allowing the environment to dry out and re-establishing safe working conditions.

NOVA-AIR 18 BAR OIL-FREE DRY AIR LASER CUTTING SYSTEMS

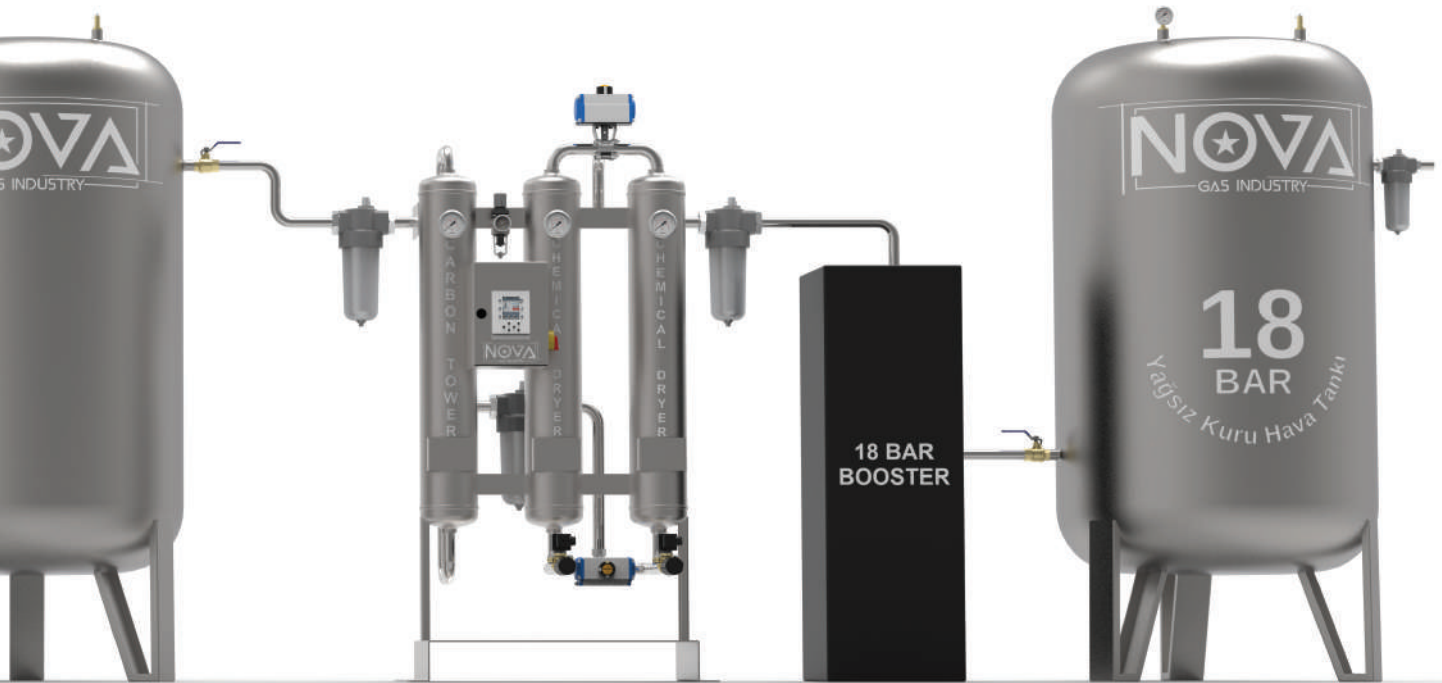
OIL-FREE POWER, PERFECT CUTTING



NOVA-AIR 40 BAR OIL-FREE DRY AIR LASER CUTTING SYSTEMS



DEWPOINT CONTROL ZERO DEWPOINT



SUSTAINED UNINTERRUPTED PERFORMANCE WITH NOVA-AIR 40 BAR

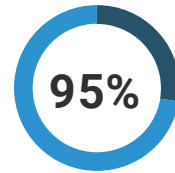


OXYGEN GENERATOR UNINTERRUPTED PRODUCTION HIGH PURITY EFFICIENT SOLUTIONS!



PRODUCE HIGH PURITY OXYGEN GAS WITH PSA TECHNOLOGY!

Nova Gas Industry oxygen generators produce oxygen gas with up to **95% purity** with PSA technology. It offers low operating costs and uninterrupted gas flow by eliminating the need for cylinder and liquid oxygen. It produces reliable, efficient and sustainable solutions for industrial and medical applications.



PURITY RATIO

Uninterrupted Oxygen, Reliable Solution!



OXYGEN GENERATOR INSTALLATION DIAGRAM



POWER ON THE FIELD



UNINTERRUPTED OXYGEN, MAXIMUM PERFORMANCE!



CONTINUITY IN PRODUCTION!



SMART TECHNOLOGY, CLEAN AIR WITH NOVA GAS INDUSTRY!

OXYGEN GENERATOR TECHNICAL TABLE

MODEL NAME AND TYPE	CAPACITY (m ³ /h) PURITY 90.0%	CAPACITY (m ³ /h) PURITY 93.0%	CAPACITY (m ³ /h) PURITY 95.0%	DIAMETER (mm)	SIZE (mm)	WIDTH (mm)	LENGTH (mm)	HEIGHT (mm)
NGS-O-120	0.8	0.7	0.6	Ø219	550	610	800	1550
NGS-O-130	1.4	1.2	1	Ø273	600	610	800	1550
NGS-O-150	2.7	2.5	2.2	Ø273	1000	610	800	1600
NGS-O-1100	3.9	3.6	3.3	Ø323	1250	610	800	1900
NGS-O-1150	5.7	5.2	4.6	Ø400	1300	610	800	1900
NGS-O-1220	9.9	8.6	8.1	Ø450	1400	650	1210	1900
NGS-O-1270	12.6	11.6	10	Ø450	1500	650	1210	2100
NGS-O-1350	15	13.6	12.4	Ø550	1600	700	1400	2250
NGS-O-1500	20.1	17.1	16	Ø600	1850	800	1600	2500
NGS-O-1750	30	27	25	Ø750	1750	830	1600	2500
NGS-O-2750	60	55	50	Ø750	1750	1600	1600	2500
NGS-O-1000	42	38.5	35	Ø850	1750	830	1600	2850
NGS-O-2000	80	75	70	Ø850	1750	1600	1600	2850
NGS-O-11500	60	55	50	Ø850	2300	1250	2100	2850
NGS-O-12000	80	73,6	67	Ø1150	2000	2500	2100	2550
NGS-O-12500	106	96	91	Ø1150	2500	1250	2100	2850
NGS-O-13000	141	126	111	Ø1150	3000	2500	2100	2850
NGS-O-3000	156	141	129	Ø850	2300	1250	2100	2950
NGS-O-4000	196	176	160	Ø1150	2000	1750	2200	3000
NGS-O-5000	245	225	206	Ø1150	2500	1750	2250	3650
NGS-O-8000	296	267	246	Ø1150	2000	1750	2250	4150
NGS-O-10000	391	356	325	Ø1150	2500	2500	4200	2950



NOVA GAS INDUSTRY DISCOVER THE DIFFERENCE

You can contact our expert team to increase the efficiency of your production processes and optimize your investment costs.

- Internationally certified production
- Energy efficiency focused designs
- Project based engineering solutions
- After sales technical support services



DESICCANT AIR DRYER

DRY AIR

LONG LIFE

HIGH EFFICIENCY



REMOVE MOISTURE FROM COMPRESSED AIR, PROTECT YOUR EQUIPMENT, MAXIMIZE YOUR PRODUCTION!

Water vapor, which is formed as a result of compressing compressed air, can cause corrosion in systems, failures in pneumatic tools, and quality problems in end products. Chemical air dryers remove this moisture, extend the life of equipment, reduce maintenance costs, and increase production efficiency.

**If There Is No Moisture in Compressed Air,
There Is No Problem!**



WHY ULTRA LOW **-40°C DEWPOINT** IN DESICCANT AIR DRYER?



The Power of Dry Air for Critical Processes

Removing moisture from compressed air increases product quality, extends the life of equipment, ensures reliability in sensitive production processes and minimizes the risk of contamination in sterile environments.

Perfect Product Quality

Ultra dry air ensures the quality of the final product, especially in sectors where humidity can negatively affect the structure, durability and form of the product.

Long Life of Equipment

Precision pneumatic tools, control systems and other equipment are protected against moisture-induced corrosion and failure, thus extending the life of your investment.

Reliability in Sensitive Processes

Stable and reliable results are achieved in critical processes that can be affected by humidity, such as laser cutting, precision painting and coating.

Reducing Contamination Risk

Especially in sterile environments, the risk of microorganisms and particles that can be carried by moisture in the air is significantly reduced.



DESICCANT AIR DRYER TECHNICAL TABLE

MODEL	FLOW (m ³ /h)	CONNECTION		DIMENSIONS			DEWPOINT
		(DN)	(inch)	A (mm)	B (mm)	C (mm)	°C DWP
NV-CD-45	45	DN15	1/2"	400	350	1250	-40
NV-CD-60	60	DN15	1/2"	400	350	1400	-40
NV-CD-85	85	DN25	1"	450	400	1650	-40
NV-CD-100	100	DN25	1"	500	400	1800	-40
NV-CD-125	125	DN25	1"	500	400	1850	-40
NV-CD-150	150	DN32	1 1/4"	500	400	1850	-40
NV-CD-200	200	DN32	1 1/4"	500	450	1900	-40
NV-CD-275	275	DN32	1 1/4"	500	450	2000	-40
NV-CD-350	350	DN40	1 1/2"	600	450	2100	-40
NV-CD-450	450	DN50	1 1/2"	800	550	2300	-40
NV-CD-600	600	DN50	2"	850	600	2400	-40
NV-CD-900	900	DN50	2"	850	700	2400	-40
NV-CD-1050	1050	DN50	2"	850	700	2400	-40
NV-CD-1250	1250	DN65	2 1/2"	1500	1250	2500	-40
NV-CD-1500	1500	DN65	2 1/2"	1600	1400	2550	-40
NV-CD-1750	1750	DN80	3"	1750	1500	2600	-40
NV-CD-2150	2150	DN80	3"	1850	1500	2650	-40
NV-CD-2550	2550	DN80	3"	1950	1600	2750	-40
NV-CD-2950	2950	DN100	4"	2000	1750	2800	-40
NV-CD-3650	3650	DN100	4"	2000	1800	2900	-40
NV-CD-4450	4450	DN100	4"	2100	1850	3000	-40
NV-CD-5100	5100	DN150	6"	2200	2000	3100	-40
NV-CD-6200	6200	DN150	6"	2400	2000	3200	-40
NV-CD-7100	7100	DN150	6"	2550	2100	3500	-40
NV-CD-8750	8750	DN150	6"	2950	2250	3550	-40
NV-CD-10700	10700	DN200	8"	3150	2450	3850	-40

Dry Air, Quality Equipment, Perfect Product!

**CARBON TOWER INTEGRATED
DESICCANT AIR DRYER
DRY AIR, CLEAN SYSTEM,
UNINTERRUPTED PRODUCTION!**



NO MORE HUMIDITY AND POLLUTANTS WITH A SINGLE SYSTEM INTEGRATED AIR SOLUTION!

The quality of compressed air used in industrial plants and process lines is critical to production efficiency and equipment life. In particular, contaminants such as moisture, oil vapor and particles can lead to blockages in **air lines, corrosion and equipment failure**. For this reason, Chemical air dryer carbon tower engraved systems offer an effective and precise solution for the purification of compressed air from **OIL, MOISTURE, ODOR, HYDROCARBONS AND PARTICLES**.

Clean Air, Strong Production!



DESICCANT AIR DRYER CARBON TOWER INTEGRATED TECHNICAL TABLE

MODEL	FLOW (m ³ /h)	CONNECTION		DIMENSIONS			DEWPOINT
		(DN)	(inch)	A (mm)	B (mm)	C (mm)	°C DWP
NV-CD-45	45	DN15	G 1/2"	700	400	1250	-40
NV-CD-60	60	DN15	G 1/2"	700	400	1400	-40
NV-CD-85	85	DN25	G 1"	700	400	1650	-40
NV-CD-100	100	DN25	G 1"	800	400	1800	-40
NV-CD-125	125	DN25	G 1"	800	400	1850	-40
NV-CD-150	150	DN32	G 1 1/4"	800	400	1850	-40
NV-CD-200	200	DN32	G 1 1/4"	800	450	1900	-40
NV-CD-275	275	DN32	G 1 1/4"	800	450	2000	-40
NV-CD-350	350	DN40	G 1 1/2"	900	450	2100	-40
NV-CD-450	450	DN40	G 1 1/2"	1200	550	2300	-40
NV-CD-600	600	DN50	G 2"	1300	600	2400	-40
NV-CD-900	900	DN50	G 2"	1400	800	2400	-40
NV-CD-1000	1000	DN65	G 2 1/2"	1500	1000	1400	-40
NV-CD-1250	1250	DN65	G 2 1/2"	1500	1000	1400	-40

COMPRESSED AIR DRYING AND PURIFICATION SYSTEM IN ONE!



WE ARE WITH YOU WITH A WIDE SERVICE NETWORK!



Installation and Commissioning

We professionally carry out the assembly and testing processes of our products in the field.



Periodic Maintenance and Service

We provide regular maintenance and service support for the long life and efficient operation of the systems.



International Service Network

We offer special fast service and technical support solutions for our overseas customers.

At **Nova Gas** Industry, our end-to-end service approach, from pre-sales to after-sales, ensures that your systems are always running at peak efficiency. From technical support to regular maintenance for maximum customer satisfaction and system efficiency, our goal is to be there for you in every need



Technical Consulting

We offer exploration and analysis services with our expert engineer team for the most suitable system selection for your needs.



Spare Parts and Supply

We guarantee the uninterrupted operation of your system with the supply of original spare parts.



Remote Support and Training

We provide remote support and user training for problems that may arise in operational processes.

CARBON TOWER

CLEAN THE AIR WITH CARBON TOWER ACTIVATED CARBON TECHNOLOGY!



STRONG AND QUALITY SOLUTION WITH MICROPOROUS STRUCTURE

Activated carbon towers are widely used adsorption systems for the removal of gaseous and liquid phase pollutants in industrial and commercial applications. Thanks to the high surface area **activated carbon filter, odor compounds, volatile organic compounds (VOCs)**, oil vapors and other harmful emissions are effectively captured. The activated carbon tower has a high adsorption capacity thanks to its **500-1500 m²/g** surface area and microporous structure.

CARBON TOWER TECHNICAL TABLE

MODEL	FLOW CAPACITY		FITTING DIMENSION		WEIGHT (kg)
	(Nm ³ /h)	(sfcm)	(DN)	(inch)	
NV-CT-45	45	35	DN25	G 1"	36
NV-CT-60	60	47	DN25	G 1"	49
NV-CT-85	85	66	DN25	G 1"	70
NV-CT-100	100	78	DN32	G 1 1/4"	78
NV-CT-125	125	98	DN40	G 1 1/2"	95
NV-CT-150	150	117	DN40	G 1 1/2"	110
NV-CT-200	200	156	DN40	G 1 1/2"	140
NV-CT-275	275	215	DN50	G 2"	161
NV-CT-350	350	273	DN50	G 2"	192
NV-CT-450	450	351	DN50	G 2"	220
NV-CT-600	600	468	DN50	G 2"	238
NV-CT-900	900	702	DN65	G 2 1/1"	285
NV-CT-1050	1050	819	DN65	G 2 1/1"	360
NV-CT-1250	1250	975	DN65	G 2 1/1"	398



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