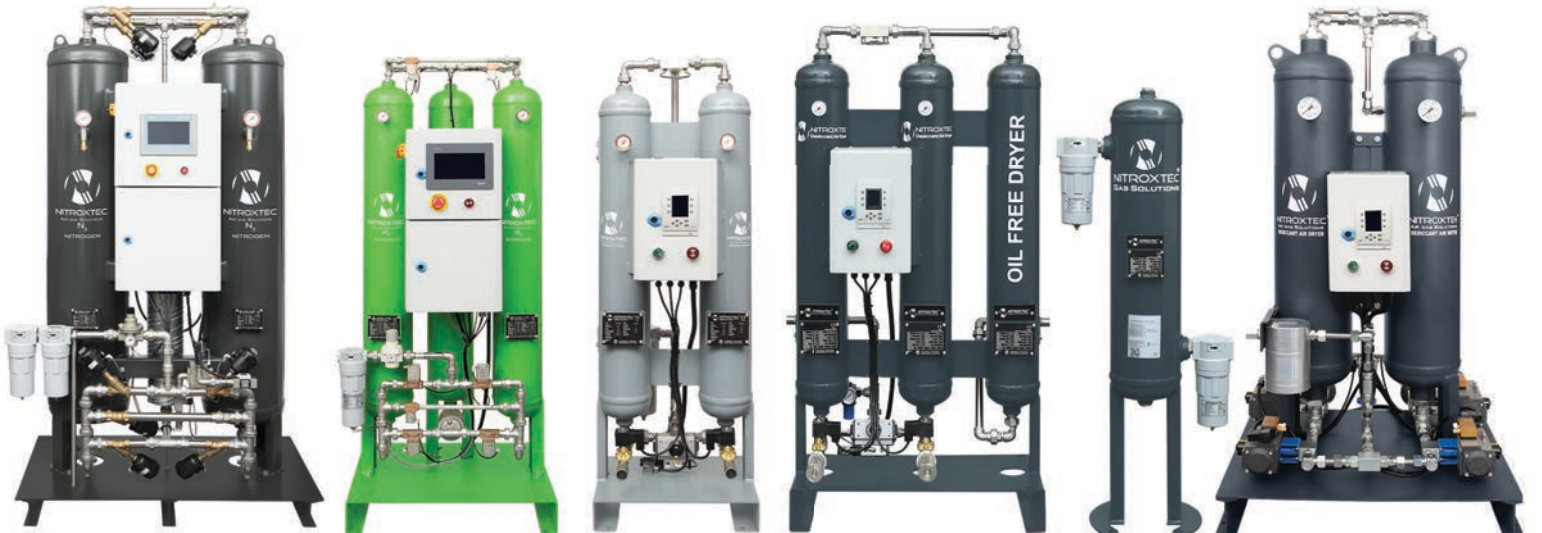




NITROXTEC[®]
CLEAN AIR & RELIABLE GAS

General Catalog

CLEAN AIR & RELIABLE GAS



About Us

NitroxTec Industrial Machinery Compressed Air and Gas Solutions Industry Trade Ltd.

NitroxTec; is a technical company in compressed air/gas industry, manufacturing the highest quality and most efficient machines and system solutions and introducing them to the various industries all around the World relying on the high expertise, practices and knowledge in the sector.

The company serves its customers the products with the lowest costs, highest performance and the highest efficiency without compromising on quality. It ensures customer satisfaction at the highest level thanks to the solutions it offers in its production facilities.

The source of successes and the solutions it offers to the industry is hidden in the value we give to our colleagues and business partners. Nitroxtec aims to produce sustainable solutions with the vision of quality efficiency in industrial air and gas systems.





Quality Unique

NitroxTec

Our Vision

Necessary for sustainable growth for its stakeholders in the global market.
To provide industrial air and gas solutions with quality and high efficiency.
Competitive, trusted quality, friendly to the environment and people.
To be a sensitive technology company

Our Mission

We provide high value-added, innovative and reliable products and solutions to our customers and business partners.
By reducing the 3rd party dependency of production facilities and developing technology to our stakeholders by producing products that comply with the principle of innovation and efficiency.
To be a company that increases the competitiveness of our customers by contributing to the use of quality products

Our Understanding of Quality

The first thing our customers and business partners will always remember is quality and efficiency.

Our Advantages

Innovative and reliable technology
Sustainable efficiency
High performance
Affordable price thanks to low costs.
We provide installation and production at the place needed

Design

We do the best engineering optimization for the industrial compressed air and gas solutions with the expert technical team

Nitroxtec offers sustainable compressed air/gas solutions for industrial and medical applications. and offers gas solutions.



We Are One Step Ahead in Production





WORKAROUND

WE PROVIDE SOLUTIONS BY FOCUSING ON PROBLEMS IMMEDIATELY WITH OUR EXPERT AND PROFESSIONAL TEAM AND EQUIPMENT.

24/7 Service Support

- Expert technical service
- Online technical service
- Assembly and supervision service
- Fast and effective response
- 10 years spare parts availability



ADVANTAGES

- Production suitable for 24/7 operation.
- Ease of Use.
- Automatic operation without the need for an operator.
- It has an automatic and reliable operating system.
- Control via touch screen.
- Access from anywhere (PC, Smartphone, Tablet).
- Site-specific production according to customer needs.
- It is fully automatic.



Industrial Air with Industry 4.0 & The Future of Gas Solutions is Here



Products

Nitrogen Generators



Oxygen Generators



Activated Carbon Tower Filters



Oil-free Desiccant Air Dryers



High Pressure Oil-Free Desiccant Dryers



Heated Type Blower Desiccant Air Dryers

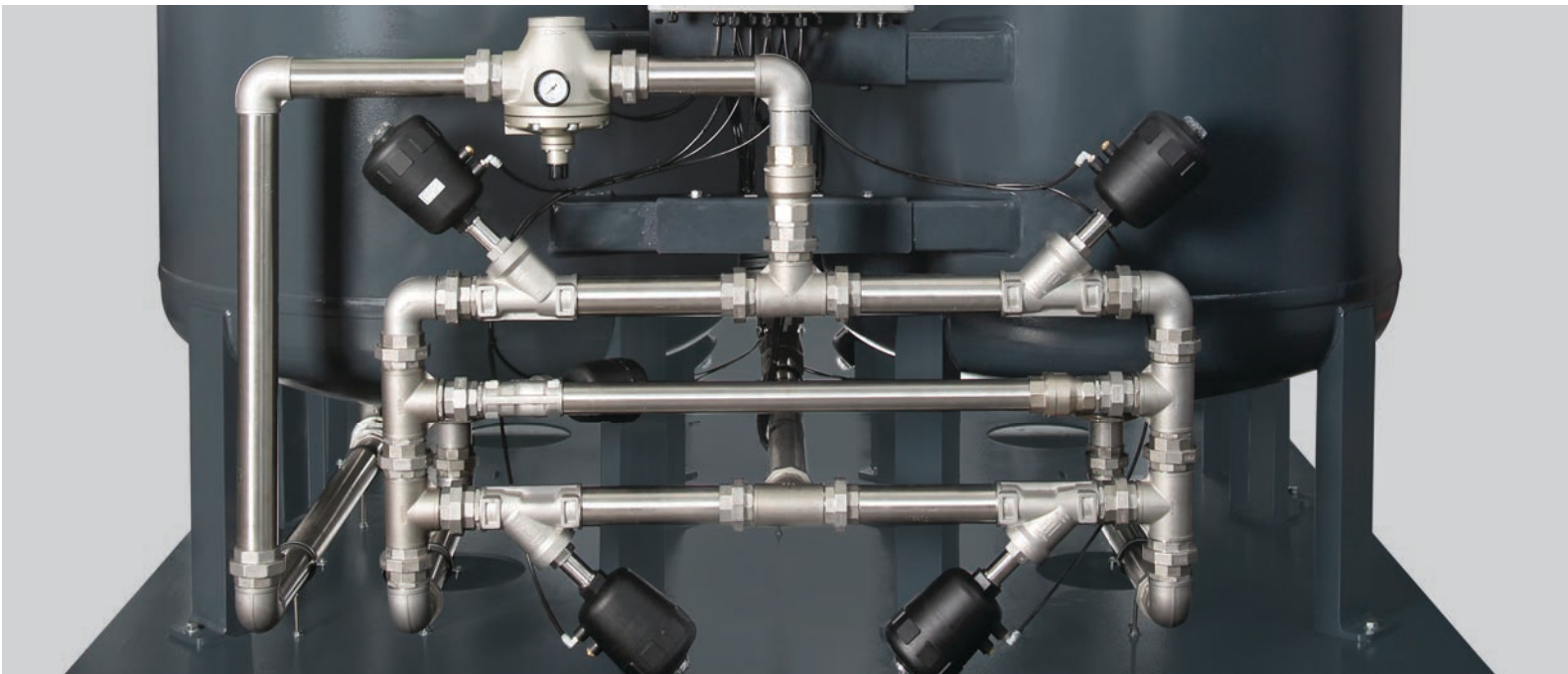


Desiccant Air Dryers





Nitrogen Generators



Nitrogen Generators

It is designed to provide maximum performance and uninterrupted nitrogen gas production with its superior technology. It works with the PSA (Pressure Swing Adsorption) process where with this so-called type production, the nitrogen generator produces nitrogen from compressed air. Nitrogen molecules, which make up 78% of the air, are separated from oxygen and argon by a substance called carbon molecular sieve (CMS) to obtain pure nitrogen.

It is produced with 100% Purity control technology.

Our Nitrogen Generators; With its unique design and superior technology, it produces more nitrogen efficiently and with maximum purity, using less compressed air compared to other nitrogen generators on the market. Operation and maintenance costs are very low. The PSA type nitrogen gas production method is the most efficient and sustainable method. The superior quality CMS (Carbon molecular sieve) we use in our nitrogen generators is guaranteed to operate for 10 years when regular maintenance service is provided.



Low Operation and Maintenance Costs

Long maintenance period

High quality equipment

Economical spare parts and service costs

Exhaust and valve systems that do not require maintenance or replacement

Our Advantages:

- Manufacturing sustainable nitrogen gas yourself on site.
- We produce nitrogen generators with a capacity range of 0,5 – 2.100 Nm³/hour, up to 95% – 99,9999% (1 ppm) purity.
- Our nitrogen generators allow you to produce high efficiency nitrogen gas with the purity level you need.
- PSA technology guarantees you the best return on your investment.
- High purity rate is achieved with carbon molecular technology.
- Nitrogen Generator is produced according to 24/7 operating system.
- Get rid of external dependency with minimum maintenance costs.
- Save money by getting rid of extra expenses.
- You can produce your own nitrogen gas to eliminate filling and transfer costs.
- Our nitrogen generator is designed according to the automatic start and stop system.
- In the facilities when nitrogen gas is needed with the feature of automatic activation mode the system goes to standby or runs automatically.
- Allows it to start and stop automatically according to nitrogen gas consumption.
- Our nitrogen generators are equipped with a long-lasting, high-quality zirconium dioxide sensor that constantly measures nitrogen gas purity.

It works according to the principle of automatic purity control.

- Nitrogen gas is not released to the facilities before reaching the desired target purity value in the nitrogen generator.
- Nitrogen Generator is designed to be ready for use.
- Capturing purity in the fastest way thanks to its special design (within 10 minutes after operation)
- Industry 4.0 compatible

How Do Nitrogen Generators Work?

Nitroxtec Industrial nitrogen PSA (Pressure Swing Adsorption) generator is a system that produces nitrogen on site. Integrated with the air compressor, it processes atmospheric air under pressure and separates nitrogen from other gases. Separation is carried out with a molecular sieve (CMS-Carbon Molecular Sieve) that does not require frequent changes. The nitrogen generator uses two CMS beds (tanks) for this. It is used before particle and active carbon filters to remove impurities in the supply air.

The main operation in the PSA system is based entirely on physical separation, and the carbon material retains oxygen molecules that are larger than nitrogen molecules and permeates nitrogen molecules. In this way, nitrogen gas is obtained. The reason for having two tanks in the system is based on the method of releasing oxygen molecules accumulated in the carbon material over time back into the air by the reverse blowing method, that is, cleaning. In short, the tanks alternately produce nitrogen gas or clean oxygen at certain time intervals.

Each nitrogen generator is manufactured pre-tested and adjusted to meet the customer's desired pressure value and purity. The process is completely regenerative as described above, making it reliable and virtually maintenance-free. Distribution pressure can be adjusted from 4 to 8,0 bar(g) to meet the needs of your operation.

At the end of the set, after an adjusted automatic timer, tank A, filled with oxygen molecules, is discharged into the atmosphere. In the second stage, air is passed through tank B. Then the same process is repeated. During the adsorption period, tank B is in cleaning mode while tank A is running, and tank A is in cleaning mode while tank B is running. A small amount of nitrogen gas is given to the cleaned and emptied tank through the other operating tank with an adjustable nozzle. This transmitted gas (regeneration cleaning) serves to sweep the oxygen trapped in the screens after evacuation into the atmosphere. In this way, the system is designed to be operate for millions of cycles. It is the most economical nitrogen gas production system.



8 Bar Nitrogen Generator Installation Diagram



40 Bar Nitrogen Generator Installation Diagram



230 Bar Nitrogen Generator Installation Diagram



TECHNICAL SPECIFICATIONS OF NITROGEN GENERATORS

MODEL	DIMENSIONS "mm"			WEIGHT kg	AIR INTAKE CONNECTIONS SIZE BSP FEMALE	ELECTRIC POWER
	LENGTH	WIDTH	HEIGHT			
NT-01	610	540	1170	95	1/2"	230 V AC 50-60 Hz 150 W
NT-02	610	650	1310	165	1/2"	230 V AC 50-60 Hz 150 W
NT-03	610	650	1720	235	1/2"	230 V AC 50-60 Hz 150 W
NT-04	910	680	1640	266	1/2"	230 V AC 50-60 Hz 150 W
NT-05	910	680	1760	300	3/4"	230 V AC 50-60 Hz 150 W
NT-06	1100	600	1800	400	1"	230 V AC 50-60 Hz 150 W
NT-07	1200	650	2000	500	1"	230 V AC 50-60 Hz 150 W
NT-08	1300	700	1960	609	1"	230 V AC 50-60 Hz 150 W
NT-09	1300	700	2150	700	1 1/2"	230 V AC 50-60 Hz 150 W
NT-10	1350	700	2100	800	1 1/2"	230 V AC 50-60 Hz 150 W
NT-11	1450	750	2000	900	1 1/2"	230 V AC 50-60 Hz 150 W
NT-12	1450	750	2200	1100	1 1/2"	230 V AC 50-60 Hz 150 W
NT-13	1580	880	2100	1350	1 1/2"	230 V AC 50-60 Hz 150 W
NT-14	1450	830	2250	1600	1 1/2"	230 V AC 50-60 Hz 150 W
NT-15	1600	1230	2360	2000	2"	230 V AC 50-60 Hz 150 W
NT-16	2000	1100	2400	2300	2"	230 V AC 50-60 Hz 150 W
NT-17	2000	1420	2440	2800	2"	230 V AC 50-60 Hz 150 W
NT-18	2200	1500	2500	3400	2 1/2"	230 V AC 50-60 Hz 150 W
NT-19	1600	2000	2360	4200	2 1/2"	230 V AC 50-60 Hz 150 W
NT-20	2000	2100	2270	4800	3"	230 V AC 50-60 Hz 150 W
NT-21	2000	2400	2310	5500	3"	230 V AC 50-60 Hz 150 W
NT-22	2000	2400	2440	6000	3"	230 V AC 50-60 Hz 150 W
NT-23	2230	2450	2520	7000	3"	230 V AC 50-60 Hz 150 W



NITROGEN PRODUCTION (Nm³/hour)

Model	95%	96%	97%	98%	99%	99,5%	99,9%	99,95%	99,99%	99,995%	99,999%	99,9995%	99,9999%
NT-01	10,00	8,88	7,88	6,88	5,25	4,25	2,94	2,50	2,00	1,44	1,06	0,94	0,63
NT-02	19,75	17,75	15,75	13,75	10,50	8,50	5,88	5,00	4,00	2,88	2,13	1,88	1,25
NT-03	39,50	35,50	32,00	27,50	21,00	17,00	11,75	10,00	8,00	5,75	4,38	3,75	2,63
NT-04	59,25	53,25	47,25	41,25	31,50	25,50	17,63	15,00	12,00	8,63	6,38	5,63	4,00
NT-05	79,00	71,00	63,00	55,00	42,00	34,00	23,50	20,00	16,00	11,50	8,50	7,50	5,63
NT-06	98,75	88,75	78,75	68,75	52,50	42,50	29,38	25,00	20,00	14,38	10,63	9,38	7,50
NT-07	138,25	124,25	110,75	96,25	73,50	59,50	41,13	35,00	28,00	20,28	15,00	13,13	10,13
NT-08	177,63	159,75	142,75	123,75	94,50	76,50	52,88	45,00	36,00	25,88	20,00	16,88	13,75
NT-09	217,13	195,25	174,75	151,25	115,50	93,50	64,63	55,00	44,00	31,63	25,00	20,63	16,25
NT-10	256,50	230,75	206,75	178,75	136,75	110,50	76,38	65,00	52,00	37,38	30,00	24,38	18,75
NT-11	295,88	266,25	238,75	206,25	157,75	127,50	88,00	75,00	60,00	43,13	35,00	28,13	22,50
NT-12	335,25	176,75	270,75	233,75	178,75	144,50	99,25	85,00	68,00	48,88	40,00	31,88	26,25
NT-13	434,00	390,50	349,50	302,50	231,25	187,00	128,63	110,00	88,00	63,25	50,63	41,25	33,75
NT-14	572,25	514,75	460,25	398,75	304,75	246,50	169,75	145,00	116,00	77,63	65,63	54,38	43,75
NT-15	749,88	674,50	603,00	522,50	399,25	323,00	222,63	190,00	152,00	103,50	85,63	71,25	56,25
NT-16	927,63	834,25	745,75	646,25	493,75	399,50	275,50	235,00	188,00	129,38	105,63	88,13	68,75
NT-17	1105,13	994,00	888,50	770,00	588,25	476,00	328,38	280,00	224,00	155,25	125,63	105,00	80,00
NT-18	1282,75	1153,75	1031,25	893,75	682,75	552,50	381,25	325,00	260,00	181,13	145,63	121,88	92,50
NT-19	1460,38	1313,50	1174,00	1017,50	777,25	628,75	434,13	370,00	296,00	207,00	165,63	138,75	105,00
NT-20	1677,50	1508,75	1348,75	1168,75	892,75	722,50	498,75	425,00	340,00	238,38	190,63	159,38	120,00
NT-21	1934,00	1739,50	1555,50	1375,00	1029,50	830,50	586,75	490,00	392,00	281,75	225,63	187,50	141,25
NT-22	2250,00	2000,00	1762,25	1581,25	1166,25	943,50	674,75	555,00	444,00	324,88	260,63	215,63	161,25
NT-23	2625,00	2250,00	1969,00	1787,50	1303,00	1054,00	762,75	620,00	496,00	368,00	295,63	243,13	181,25

COMPRESSED AIR INLET 8 BAR G													
PURITY	95%	96%	97%	98%	99%	99,5%	99,9%	99,95%	99,99%	99,995%	99,999%	99,9995%	99,9999%
O₂	5%	4%	3%	2%	1%	0,5%	1000 ppm	500 ppm	100 ppm	50 ppm	10 ppm	5 ppm	1 ppm
AIR/GAS RATIO	1,8	2	2,1	2,3	2,5	2,6	3,2	3,5	3,9	4,5	5,2	7,5	8,5
AMBIENT TEMPERATURE +25°C							INLET AIR DEW-POINT +3°C						

AIR INTAKE HEAT CORRECTION FACTORS										
5 °C	10 °C	15 °C	20 °C	25 °C	30 °C	35 °C	40 °C	45 °C	50 °C	
0,85	1,03	1,02	1	1	0,93	0,87	0,72	0,6	0,52	

INLET PRESSURE AIR CORRECTION FACTORS						
5 BAR	6 BAR	7 BAR	8 BAR	9 BAR	10 BAR	11 BAR
0,78	0,91	1	1,05	1,13	1,19	1,22



Onsite Nitrogen Production With NitroxTec

Making a Difference

Our Features

Our Features That Make a Difference

- Superior Siemens PLC touch control panel
- Simens PLC and 4-7 inch touch color screen
- Exhaust and silencer system that does not clog and does not require replacement
- +14 sensor inputs
- Long-lasting Zirconium dioxide structured oxygen sensor
- Modbus/Profibus/RMB
- Hubbox remote access, monitoring and data collection
- IP55 protection standard
- Long life pneumatic control valves
- Dew-point measurement at air inlet automatic protection mode

TANK CAPACITY DESIGN MADE ACCORDING TO THE "CYCLE LOAD CALCULATION" METHOD IN THE SECTOR

Low Air Coefficient

- Premium quality CMS
- Lowest air/gas factor
- Air consumption as required
- High flow rate nitrogen production with smaller capacity compressors
- Low energy consumption, economical nitrogen gas production
- Nitrogen gas can be used with the help of energy-saving hydrogen gas as needed for highest purification solutions.

To keep Nitrogen generator to run during the service and maintenance with the help of "Redundant Valve System".

- Spare valve set
- Uninterrupted production guarantee
- Ease of maintenance
- Easy control
- Valve connection with leak-proof guarantee
- Trouble-free and uninterrupted production with long-lasting and robust piston valves
- Stainless steel fittings and pipes
- Thanks to stainless steel superior filter system no problems occur such as clogging and explosions.

Features of Nitrogen

Sustainable nitrogen gas
Produce It Yourself!

0,5 – 2.100 Nm³/hour capacity
range 95% – 99,9999% (1 ppm)
nitrogen generators up to purity
We produce.

Our nitrogen generators allow to
produce high efficiency nitrogen gas
with the purity level needed.

PSA technology ensures to get the
best return on investment.

High gas purity rate with carbon
molecular technology.

Nitrogen generator is designed
according to 24/7 operating system.

To avoid external dependency with
minimal maintenance costs.

Saving extra money by getting rid of
expenses.

To have no on-site filling and transfer
costs by producing on-site nitrogen.

Our nitrogen generator has an
automatic start - stop system where it
is designed to produce gas according
to demand / consumption.

The nitrogen generator is delivered as
ready for use.





Online Access

Siemens PLC HMI 7"



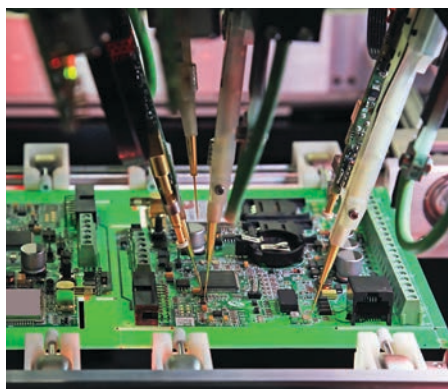
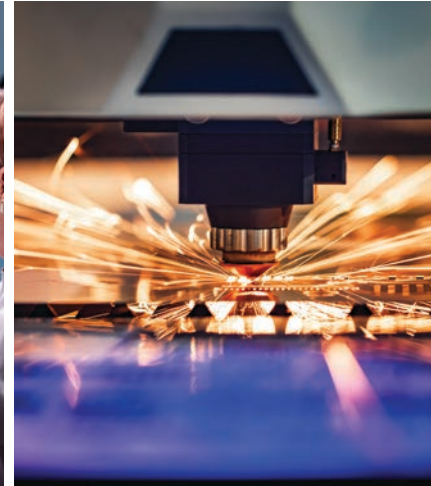
Online Mobile Access Possibility

WE PROVIDE PROMPT SOLUTIONS TO PROBLEMS BY ESTABLISHING RAPID CONNECTIONS TO ANYWHERE IN THE WORLD WITH REMOTE CONNECTION. SIMPLE AND EASY ADMINISTRATION PANEL SAVES TIME BY OVERCOMING PROBLEMS.



Sectors

- CHEMICAL INDUSTRY
- FOOD INDUSTRY
- LASER CUTTING INDUSTRY
- ADDITIONAL MANUFACTURING 3D LASER METAL PRINTER
- DMLS APPLICATIONS
- HEAT TREATMENT INDUSTRY
- WIRE AND CABLE INDUSTRY
- ELECTRONICS INDUSTRY
- VEGETABLE OIL INDUSTRY
- AVIATION INDUSTRY
- MARITIME INDUSTRY
- MINING INDUSTRY
- ENERGY INDUSTRY
- PLASTIC INJECTION INDUSTRY
- PHARMACEUTICAL INDUSTRY
- ELECTROSTATIC POWDER COATING FACILITIES
- MAP FOOD PACKAGING APPLICATIONS
- LASER WELDING MACHINES
- ALUMINUM CASTING AND EXTRUSION INDUSTRY
- JEWELERY CASTING INDUSTRY
- AROMATIC OILS AND ESSENCE INDUSTRY
- WINE INDUSTRY
- COMPOSITE IN AVIATION INDUSTRY
- VARIOUS MANUFACTURING INDUSTRIES
- AUTOCLAVE SYSTEMS





STOP PAYING FOR READY NITROGEN GAS!

230 BAR NITROPLACE NITROGEN PRODUCTION SYSTEMS

ALL IN ONE



8 BAR NITROPLACE NITROGEN PRODUCTION SYSTEMS

PLUG & START

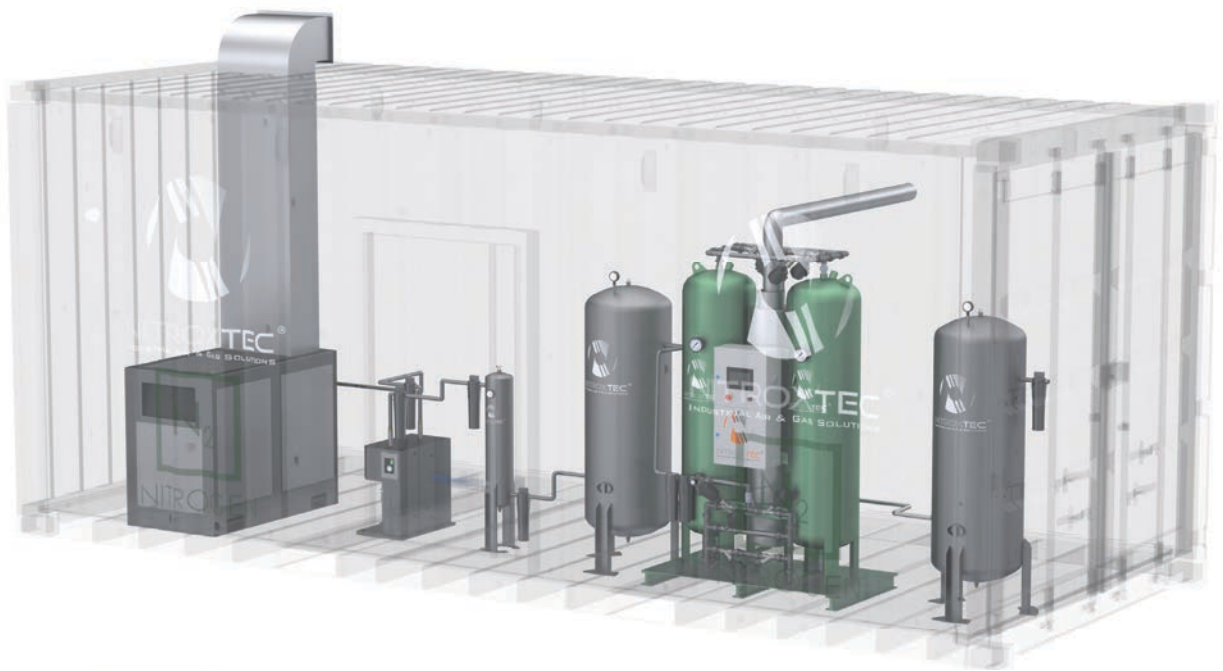


CONTAINER TYPE NITROGEN PRODUCTION SOLUTIONS

Container type nitrogen production systems are one of the most preferred nitrogen production systems with their flexibility and simple installation that meets the needs. Container type nitrogen production systems are a perfect solution for businesses, thanks to their portable and ready-to-use features.

8 BAR CONTAINER NITROGEN SYSTEM







Mini Nitrogen Generators





Deoxy Nitrogen Purification Units

Nitroxtec Deoxy Nitrogen Purification Units

The Nitroxtec Deoxy (Nitrogen Purification) unit provides exact solution to the need for high nitrogen purity. Thanks to this system, nitrogen gas with a much higher purity such as 99,9999% (6.0) N₂ (1 ppm O₂) can be obtained and more economical nitrogen gas can be produced compared to standard PSA nitrogen production. Deoxy device is produced from a nitrogen generator with a certain ratio of hydrogen gas. It increases the purity of the existing nitrogen gas by mixing incoming nitrogen gas of 99,9% purity

Deoxy Nitrogen purification units are devices used to separate nitrogen in the air from oxygen, carbon dioxide and other gases. The purification process is done by taking advantage of the differences between the molecular sizes and physical properties of the gases in the air.



**With Deoxy Nitrogen Purification Unit
Less Energy, More Efficiency**

HOW DOES DEOXY NITROGEN PURIFICATION UNIT WORK?

In the catalyst unit, palladium-coated alumina binds to the externally introduced hydrogen gas atoms. The remaining (1.000 ppm) oxygen gas molecules in the 99,9% purity nitrogen gas produced in the PSA generator combine with hydrogen gas on palladium alumina and turn into water, thus raising the nitrogen gas to an ultra-pure level.

The water in ultra-pure nitrogen gas is dried with the help of a special desiccant dryer, and ultra-high purity 99,9999% (1 ppm O₂) nitrogen gas, purified from oxygen and moisture, is transferred to the systems.

A special automation system is used to ensure the most efficient and minimal consumption of hydrogen gas used in the catalyst.

Deoxy Nitrogen Purification Unit Models

Nm ³ /hour	Introduction Purity %99,5	Introduction Purity %99,9
	%99,999(5,0) (10ppm O ₂)	%99,9995-%99,9999 (5,5-6,0) 5,1ppm O ₂
Deoxy 01	3,4	2,35
Deoxy 02	6,8	4,7
Deoxy 03	13,6	9,4
Deoxy 04	20,4	14,1
Deoxy 05	27,2	18,8
Deoxy 06	34	23,5
Deoxy 07	47,6	32,9
Deoxy 08	61,2	42,3
Deoxy 09	74,8	51,7
Deoxy 10	88,4	61,1
Deoxy 11	102	70,4
Deoxy 12	115,6	79,4
Deoxy 13	149,6	102,9
Deoxy 14	197,2	135,8
Deoxy 15	258,4	178,1
Deoxy 16	319,6	220,4
Deoxy 17	380,8	262,7
Deoxy 18	442	305
Deoxy 19	503	347,3
Deoxy 20	578	399
Deoxy 21	664,4	469,4
Deoxy 22	754,8	539,8
Deoxy 23	843,2	610,2

Standart PSA Nitrogen Generator



Deoxy PSA Nitrogen Generator



Deoxy Nitrogen Generators Installation Diagram



NITROXTEC FOR EFFICIENT AND SUSTAINABLE PRODUCTION



THE MAIN ADVANTAGES OF DEOXY NITROGEN PURIFICATION UNITS ARE:

- High purity nitrogen production
- Low operating cost
- Flexibility in nitrogen supply

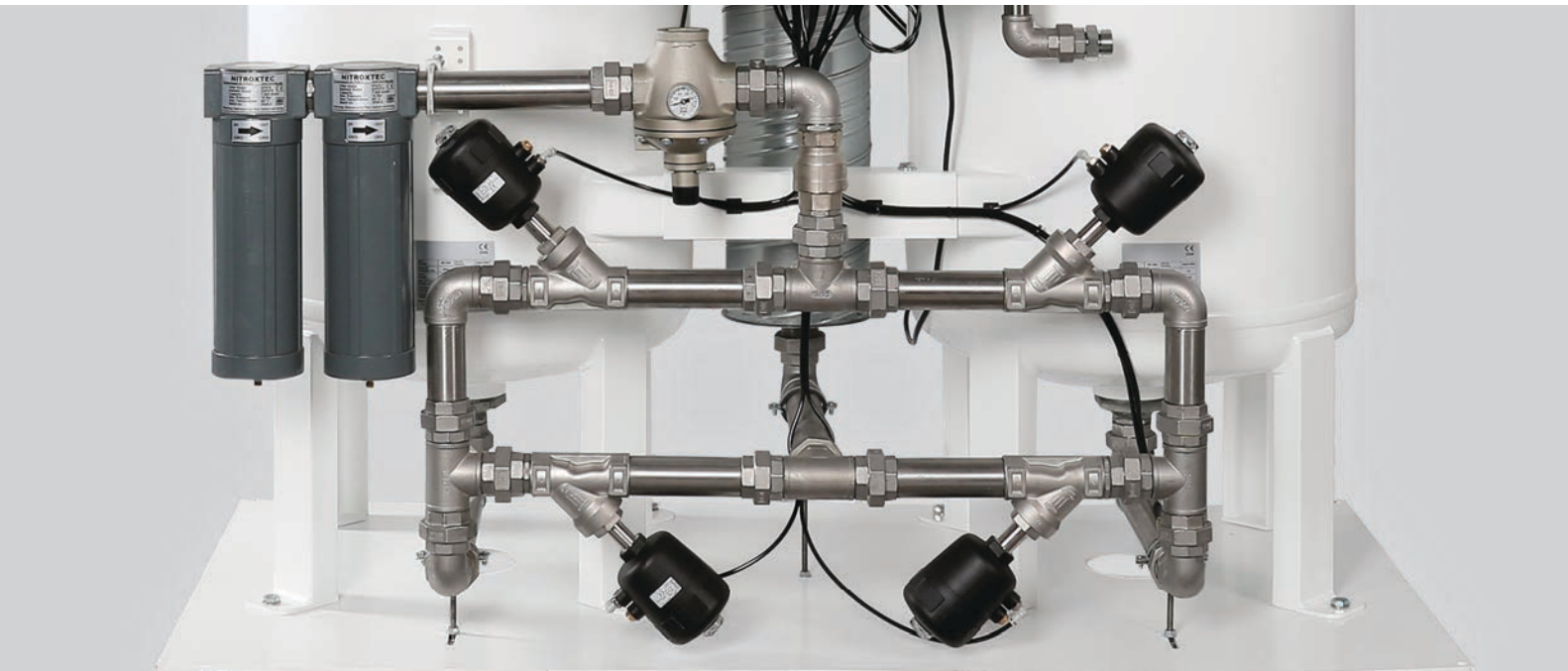
Deoxy nitrogen purification units are the perfect solution for businesses that need high purity nitrogen. These units increase operational efficiency by providing significant cost savings to businesses.

**DISCOVER
SUSTAINABLE
AIR & GAS
SOLUTIONS**





Oxygen Generators



Oxygen Generators

Discover oxygen gas production with NitroxTec's superior quality and modern technology. PSA technology is applied to separate oxygen gas from compressed air. Thanks to the PSA technology that enables to produce oxygen gas with a purity range of 90% - 95% at a capacity of 0,5 - 385 Nm³/hour. Instead of purchasing an oxygen cylinder, why doesn't anyone produce oxygen gas on-site at low costs? NitroxTec; Oxygen generators have the modern technology required to produce oxygen gas. Our NitroxTec oxygen generators; Thanks to modern PSA technology which is the reliable, sustainable and cost-effective source of oxygen gas.

Oxygen Generators are used in various sectors where oxygen gas is needed. It's a very important option for companies that value sustainability and profitability. NitroxTec allows you to become a professional oxygen gas producer with an on-site oxygen generator by producing the oxygen gas yourself. Buy uninterrupted ENERGY at low costs having the option of professionally and sustainably pure oxygen gas anytime, anywhere with a purity suitable for your production;

- You can produce the amount of oxygen gas you need.
 - You can get rid of operating expenses with low air consumption and minimum cost.
 - Achieve energy efficiency by using the advantage provided by the 'ON-SITE PRODUCTION and PLUG & START' system.
- Please contact us for our less costly, safe and alternative products that suit your needs.



Low Operation and Maintenance Expenses

Long maintenance period

High quality equipment

Economical spare parts and service costs

Exhaust and valve systems that do not require maintenance or replacement

Our Advantages:

Nitroxtec Oxygen Generator; which is fully tested and safe.

It has been proven in hundreds of applications in the fields around the World.

It provides excellent cost savings by producing sustainable oxygen gas with the desired purity.

Control with touch screen.

Oxygen gas parameters produced with superior modern technology can be instantly monitored and recorded on the screen.

It is designed with an automatic start and stop system according to your oxygen gas consumption.

Site-specific production can be made according to customer needs.

It is fully automatic and operates on a 24/7 basis.

It can be controlled online remotely.

It is produced according to the '**ON-SITE PRODUCTION and PLUG & START ON-SITE**' system.

Control valves are of European origin, have long-lasting, robust exhaust and valve technology that does not require maintenance or replacement.

You can adjust the purity level in NitroxTec oxygen generators.

You can encounter our NitroxTec oxygen generators all over the world.

In addition to our PSA principle oxygen generators, we also have VPSA and Cryogenic oxygen production systems.

INLET PRESSURE AIR CORRECTION FACTORS			
4 BAR	5 BAR	6 BAR	7 BAR
0,75	0,9	1	1

COMPRESSED AIR INLET 7 BAR G			
PURITY	%90	%93	%95
AIR/GAS RATIO	9	10	11

AIR INTAKE HEAT CORRECTION FACTORS							
5 °C	10 °C	15 °C	20 °C	25 °C	30 °C	35 °C	40 °C
0,95	1,03	1,02	1	1	0,92	0,81	0,70



OXYGEN PRODUCTIONS (Nm³/hour)

MODEL	%90	%93	%95	DIMENSIONS "mm"			WEIGHT kg	CONNECTION SIZE BSP FEMALE	ELECTRIC POWER
				LENGHT	WIDTH	HEIGHT			
Oxytech -01	0,60	0,6	0,50	520	440	1150	45	½"	230 V AC 50-60 Hz 150 W
Oxytech -02	1,20	1,1	1,00	680	480	1400	85	½"	230 V AC 50-60 Hz 150 W
Oxytech- 03	2,40	2,3	2,00	680	500	1530	120	½"	230 V AC 50-60 Hz 150 W
Oxytech- 04	3,60	3,4	3,00	800	515	1500	165	½"	230 V AC 50-60 Hz 150 W
Oxytech -05	7,00	6	5,00	1120	560	1800	290	¾"	230 V AC 50-60 Hz 150 W
Oxytech- 06	8,90	8,1	7,10	1120	570	1950	390	1"	230 V AC 50-60 Hz 150 W
Oxytech- 07	10,00	9	8,00	1200	650	1800	390	1"	230 V AC 50-60 Hz 150 W
Oxytech- 08	12,00	11	10,00	1260	650	2050	570	1"	230 V AC 50-60 Hz 150 W
Oxytech -09	14,50	13,2	12,00	1250	735	2050	660	1"	230 V AC 50-60 Hz 150 W
Oxytech -10	16,00	14	13,00	1400	725	1900	740	1"	230 V AC 50-60 Hz 150 W
Oxytech- 11	18,80	16,8	15,50	1400	725	2150	850	1 ½"	230 V AC 50-60 Hz 150 W
Oxytech -12	25,00	23	21,00	1600	820	2100	1100	1 ½"	230 V AC 50-60 Hz 150 W
Oxytech -13	29,00	26	24,00	1650	1040	2150	1400	1 ½"	230 V AC 50-60 Hz 150 W
Oxytech -14	39,00	34	30,00	1750	1090	2200	1700	1 ½"	230 V AC 50-60 Hz 150 W
Oxytech -15	46,00	41	35,00	1820	1060	2100	1950	1 ½"	230 V AC 50-60 Hz 150 W
Oxytech -16	52,00	47	42,00	1820	1060	2375	2300	2"	230 V AC 50-60 Hz 150 W
Oxytech -17	63,00	57	50,00	1750	1135	2450	2700	2"	230 V AC 50-60 Hz 150 W
Oxytech -18	80,00	72	65,00	1500	1845	2410	3680	2"	230 V AC 50-60 Hz 150 W
Oxytech -19	90,00	88	72,00	2080	1970	2200	4000	2 ½"	230 V AC 50-60 Hz 150 W
Oxytech -20	104,00	95	87,00	2180	1780	2300	5000	3"	230 V AC 50-60 Hz 150 W
Oxytech -21	137,00	125	107,00	2000	2250	2450	6000	3"	230 V AC 50-60 Hz 150 W
Oxytech -22	153,00	139	127,00	2200	2425	2325	7000	3"	230 V AC 50-60 Hz 150 W
Oxytech -23	192,00	175	160,00	1950	3280	2150	8000	3"	230 V AC 50-60 Hz 150 W
Oxytech -24	241,00	220	200,00	2200	3480	2350	9000	DN 100	230 V AC 50-60 Hz 150 W
Oxytech- 25	290,00	264	240,00	2325	2200	3425	10.000	DN 100	230 V AC 50-60 Hz 150 W
Oxytech- 26	385,00	350	320,00	2500	2200	3425	12.000	DN 150	230 V AC 50-60 Hz 150 W
Ambient temperature 20 °C				20 °C Inlet Air Dew-point + 3 °C					



6 Bar Oxygen Generator Installation Diagram



150 Bar Oxygen Generator Installation Diagram



CONTAINER TYPE OXYGEN PRODUCTION SOLUTIONS

Container type oxygen production systems are one of the most preferred oxygen production systems with their flexibility and simple installation that meets the needs.

Container type oxygen production systems are a perfect solution for businesses, thanks to their portable and ready-to-use features.

6 BAR CONTAINER OXYGEN SYSTEM



6 BAR CONTAINER OXYGEN SYSTEM

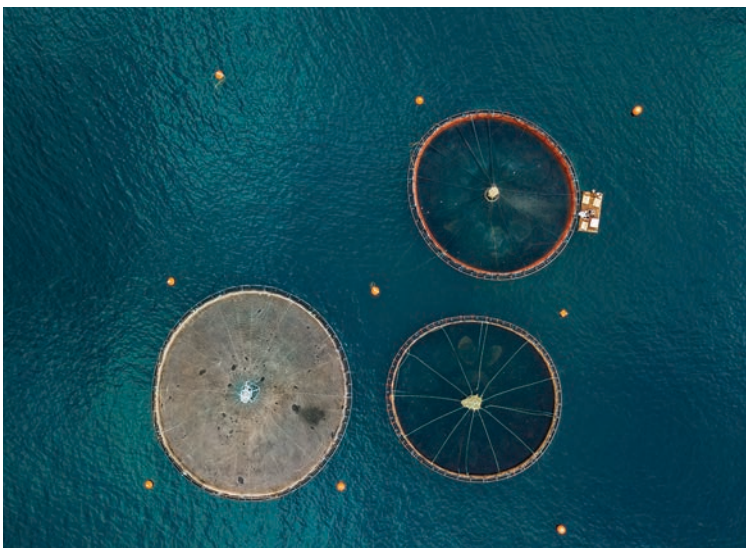


150 BAR CONTAINER OXYGEN SYSTEM



Sectors

- MEDICAL APPLICATIONS
- GLASS MANUFACTURING
- COAL
- METAL
- OZONE INDUSTRY
- PURIFICATION OF WASTEWATER
- FISH FARM
- STONE WOOL – GLASS WOOL INDUSTRY





NITROXTEC
INDUSTRIAL AIR & GAS SOLUTIONS

DISCOVER UNINTERRUPTED OXYGEN ENERGY!





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THE OXYGEN OF THE WORLD IS HERE





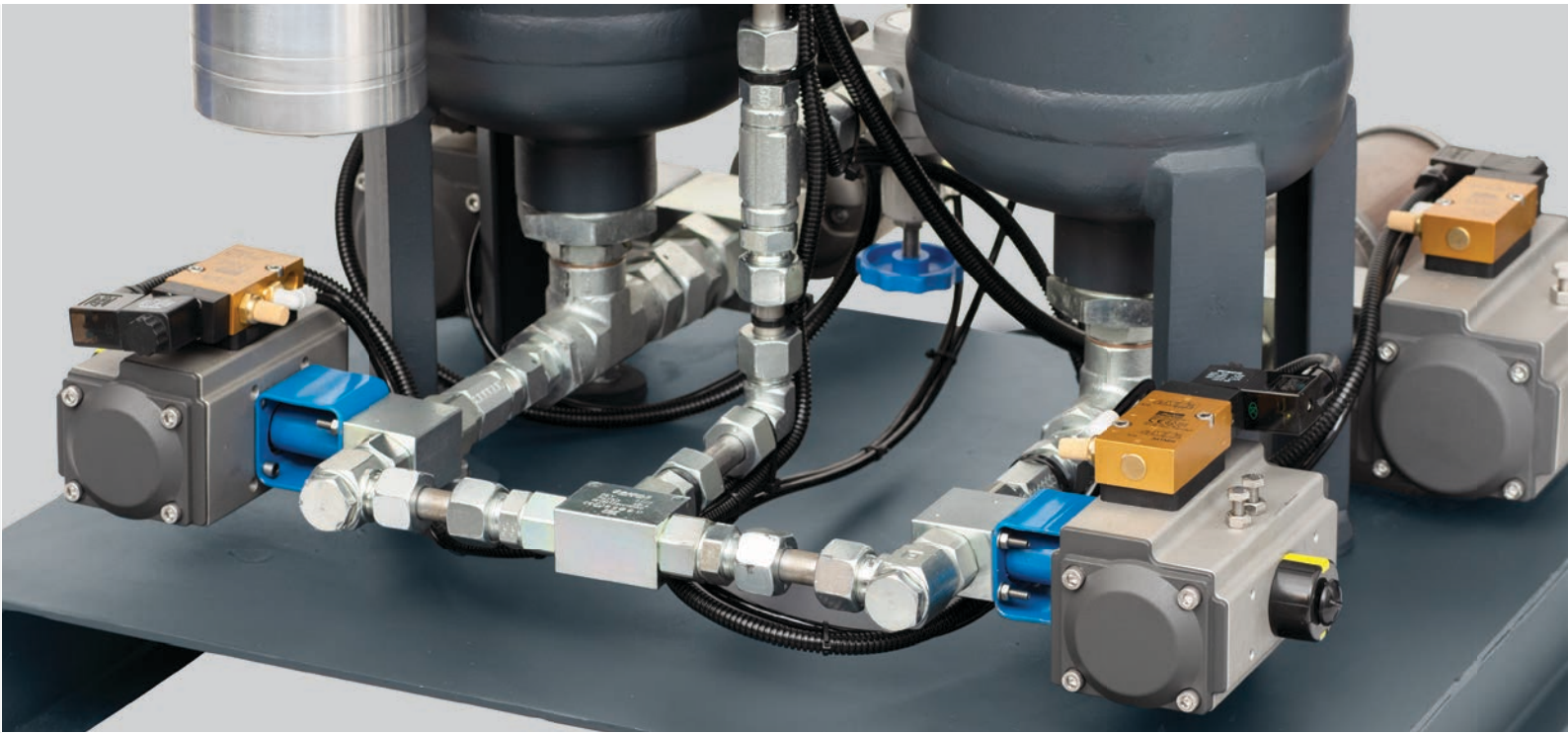
Industrial Remote Access and Data Collection Device

You can directly access, monitor and control our nitrogen and oxygen gas generators from your PC and smartphone anytime, anywhere with HUBBOX. You can collect your production data from nitrogen and oxygen generator systems offline and online, and our technical team can remotely access and control nitrogen and oxygen generators wherever they are in the world.

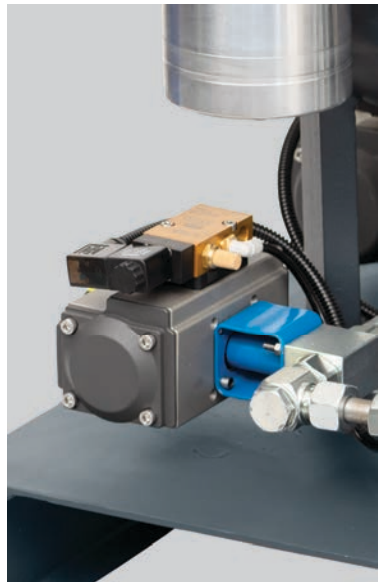
Offering easy and perfect access with WAN, LAN and WIFI inputs, our products provide data communication with high security SSL certificates and the most up-to-date encryption methods (ECDHE-RSA-AES256-GCM-SHA384). It uses Google Authenticator infrastructure for two-step security 2FA when accessing your systems.



40-300 Bar Desiccant Air Dryers



THE FIRST AND ONLY
40-300 Bar Operating
Pressure in TÜRKİYE





NITROXTEC NDD/50 BAR DESICCANT AIR DRYERS

MODEL	CAPACITY (m ³ /hour)	CAPACITY (m ³ /minute)	AIR INLET SIZE LINKS BSP FEMALE	DIMENSIONS "mm"			WEIGHT kg	DEW-POINT OPTIONEL	ELECTRIC POWER
				LENGTH	WIDTH	HEIGHT			
NDD -0.8/50	48	0,80	½"	400	400	1100	60	-20/-40/-70 DWP	230V AC 50-60 Hz 50W
NDD -1.2/50	72	1,20	½"	450	450	1200	100	-20/-40/-70 DWP	230V AC 50-60 Hz 50W
NDD- 1.6/50	100	1,60	½"	500	500	1250	120	-20/-40/-70 DWP	230V AC 50-60 Hz 50W
NDD-2 /50	120	2,00	½"	600	650	1300	140	-20/-40/-70 DWP	230V AC 50-60 Hz 50W
NDD-2.6/50	160	2,67	½"	750	800	1400	200	-20/-40/-70 DWP	230V AC 50-60 Hz 50W
NDD -3.2/50	200	3,20	¾"	750	800	1600	250	-20/-40/-70 DWP	230V AC 50-60 Hz 50W
NDD -4/50	250	4,17	¾"	750	800	1750	310	-20/-40/-70 DWP	230V AC 50-60 Hz 50W
NDD -5/50	300	5,00	¾"	800	850	1850	370	-20/-40/-70 DWP	230V AC 50-60 Hz 50W
NDD -6/50	360	6,00	1"	800	850	1900	460	-20/-40/-70 DWP	230V AC 50-60 Hz 50W
NDD-7.3/50	440	7,33	1"	900	960	2000	570	-20/-40/-70 DWP	230V AC 50-60 Hz 50W
NDD- 9 /50	575	9,58	1"	950	1000	2000	670	-20/-40/-70 DWP	230V AC 50-60 Hz 50W
NDD- 11/50	680	11,33	1"	950	1000	2100	970	-20/-40/-70 DWP	230V AC 50-60 Hz 50W

AIR INTAKE HEAT CORRECTION FACTORS

COMPRESSOR AIR INTAKE AIR TEMPERATURE

TEMPERATURE	25 °C	30 °C	35 °C	40 °C	45 °C	50 °C
K _i	1	1	1	0.96	0.90	0.83

• Standard Accessories: PLC Electronic Controller

• All models have a zero-loss air or time-release water separator. 0,1 entry micron dust, 0,5 mg/m³ oil filter and 0,1 micron dust filters at the outlet are included.

• Optional Accessories: Dew-point Sensor and Energy Saving Mode

• Calculated Air Temperature: 35 °C (Correction factor)

• Maximum Working Pressure: 50 bar.

• Maximum Discharge Air Flow Rate: 2,7% 40 bar -40 Dew-point

• Maximum Discharge Air Flow: 5% 40 bar -70 Dew-point

• Compressed Air Flow: 20 °C (1 bar free normal air) (ISO 1217)



Desiccant Air Dryers





Desiccant Air Dryers (Non-Heated Type Air Dryers)

Compressed air is dried to prevent condensation and corrosion that can disrupt production processes and contaminate products. Production is carried out with modern technology using synthetic adsorbents, active alumina, silica gel and molecular sieves to dry and purify the air for industrial solutions.

Our standard products are produced in the capacity range of 18 m³/hour to 10.800 m³/hour. Special products can be produced according to your production capacity and needs. Discover industrial drying technology and systems.

Production was made according to Dew-point (-)20°C, (-)40°C and (-)70°C.

The panel is positioned for electronic control and humidity display.

NitroxTec Desiccant air dryers offer superior performance and quality.

Automatic adjustment can be made to changing input and environmental conditions.

Our dryers are manufactured according to 4 - 16 bar and 40 bar working pressure.

It provides cost savings with low energy consumption.

NITROXTEC NDD DESICCANT AIR DRYERS

Model	CAPACITY (m ³ /minute)	CAPACITY (m ³ /hour)	DIAMETER CONNECTION SIZE BSP FEMALE	DIMENSIONS "mm"			WEIGHT kg	DEW-POINT	ELECTRIC POWER
				LENGTH	WIDTH	HEIGHT			
NDD-0,3	0,30	18	¼"	390	435	840	15	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-0,5	0,52	31	½"	390	440	1020	20	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -0.8	0,80	48	½"	450	460	1075	30	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-1	1,00	60	½"	410	460	1240	40	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -1.2	1,20	72	½"	410	460	1340	50	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD- 1.6	1,60	100	¾"	440	530	1310	60	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-2	2,17	130	1"	440	530	1400	70	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-2.6	2,67	160	1"	700	550	1400	100	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -3.2	3,20	200	1"	550	550	1525	125	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -4	4,17	250	1"	550	550	1780	155	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -5	5,00	300	1 ½"	800	575	1530	185	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -6	6,00	360	1 ½"	800	575	1750	230	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-7.3	7,33	440	1 ½"	900	710	1710	285	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD- 9	9,58	575	1 ½"	900	710	1900	335	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD- 11	11,33	680	1 ½"	1100	830	1820	485	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -14	14,17	850	2"	1100	800	1900	520	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -16	16,67	1000	2"	1100	800	2130	620	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-21	20,83	1250	2 ½"	1200	700	2230	780	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -25	25,00	1500	2 ½"	1250	900	2180	930	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -30	30,00	1800	3"	1500	1045	2350	1160	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-36	36,67	2200	3"	1800	1110	2100	1400	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -45	45,00	2700	3"	1800	1060	2400	1700	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-53	53,33	3200	DN100	1820	1260	2500	2000	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -60	60,00	3600	DN100	1750	1120	2300	2300	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-73	73,33	4400	DN100	1750	1310	2340	2800	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-83	83,33	5000	DN150	2600	1290	2470	3150	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-105	105,00	6300	DN150	2600	1570	2000	4060	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD -120	120,00	7200	DN150	2600	1560	2170	4600	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-146	146,67	8800	DN150	2600	1500	2450	5650	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD-180	180,00	10800	DN200	2600	1650	2500	6900	-20/-40/-70 Cdt	230V AC 50-60 Hz 50W

Desiccant Air Dryers (Non-Heated Type Air Dryers)



- **Standard Accessories:** Color Screen Electronic controller
- **Long-life pneumatic valves of European origin**
- **Superior performance active alumina**
- **American and Japanese made exhaust air silencers**
- **Air inlet and outlet air filters. Zero air loss water discharge system at the entrance**
- **Optional accessories:** Dew-point sensor and energy saving mode
- **Maximum Working Pressure:** 20 bar.
- **Regeneration air loss rates:**
 - 20 Dew-point: 5%
 - 40 Dew-point: 12%
 - 70 Dew-point: 20%

Usage areas:

- Facilities that need quality dry air
- Hospitals
- Laser cutting machines
- Feed mills
- Cement factories
- Sugar factories
- Electrostatic powder paint units
- Natural gas pipelines

Desiccant Air Dryer Installation Diagram





DESICCANT AIR DRYER FLOW RATE CALCULATION

Correction factors for different operating conditions (Flow rates m³/min x k...)

Deviating working pressure p at the dryer inlet												
p bar _(g)	5	6	7	8	9	10	11	12	13	14	15	16
K _p	0,75	0,88	1,00	1,06	1,12	1,17	1,22	1,27	1,32	1,37	1,41	1,46

Example:				
Operating Pressure:	8 bar	->	Factor	1,06
Compressed Air Inlet Temperature:	40 °C	->	Factor	0,96

Compressed air inlet temperature T _i						
Temperature (°C)	25	30	35	40	45	50
K _i	1,00	1,00	1,00	0,96	0,90	0,83

EXPERT PERSONNEL IN COMPRESSED AIR AND GAS SOLUTIONS





Desiccant Air Dryers with Heated Type Blower

Desiccant Air Dryers with Heated Type Blower

Heated type blower desiccant air dryers are devices used to remove moisture from compressed air. These devices are pressurized where it dries the air in two stages. In the first stage, compressed air passes through a column filled with silicagel, a desiccant substance. Silicagel dries the air by absorbing moisture in the air. In the second stage, a heated blower dries the silica gel, making it ready to absorb moisture again.

The most important feature of heated type blower desiccant air dryers is that they do not use compressor air, with the support of the high efficiency heater and the blower, waste air is sucked and heated automatically. Thanks to the high-tech PLC (electronic control), dew point and heating/regeneration are adjusted and moisture is removed in the most efficient way.

Protect Your System and Products from the Damage of Moisture!



High Performance with Zero Air Loss



Features of Heated Type Blower Desiccant Air Dryers

- **Reduces air loss.** Conventional desiccant dryers use dried air during regeneration and this results in the loss of compressed air. Heated type blower desiccant air dryers use atmospheric air during regeneration. Therefore, compressed air loss can be reduced to zero.
- **Provides higher performance.** The heated blower dries the silica gel faster. Therefore, heated type blower desiccant air dryers provide higher performance than traditional desiccant dryers.
- **Modern inlet and outlet filter:** Thanks to its filter in accordance with Worldwide standards, all kinds of pollutants are prevented. The desiccant substance is protected and air quality is kept at an optimum level.

Advantages:

- Minimum energy consumption
- Zero air loss
- Secure system
- Long lasting
- Maximum performance
- Low noise level
- Ease of service
- Thanks to its special design and sub-equipments, it is an efficient and resistant system to all kinds of pressure changes.

Installation Diagram of Desiccant Air Dryer with Heated Type Blower

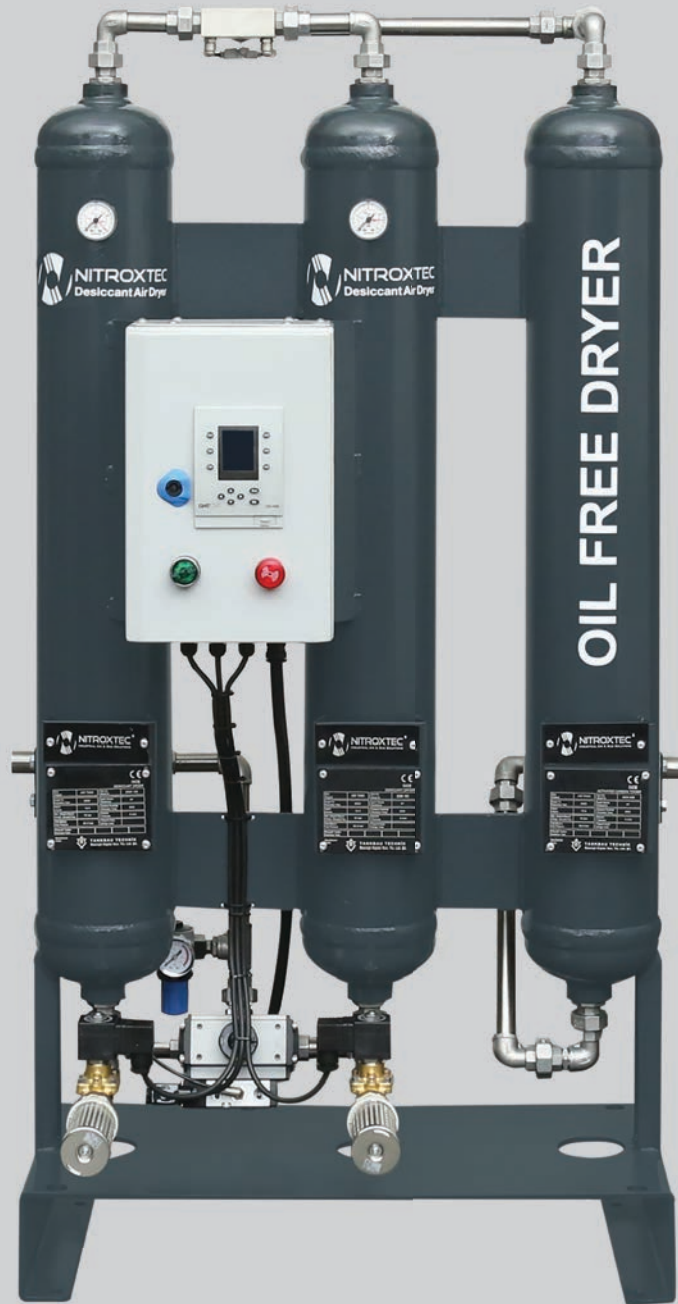


Model	CAPACITY (m³/minute)	CAPACITY (m³/hour)	DIAMETER CONNECTION SIZE BSP	MAXIMUM PRESSURE	VOLTAGE	AVERAGE POWER (kW)	DEW-POINT	WEIGHT (kg)	DIMENSIONS "mm"		
									LENGTH	WIDHT	HEIGH
NDD-B-14	14,17	850	2"	11	400-440V/3/50-60 Hz	8,9	-40 °C	885	800	1200	1935
NDD-B-16	16,67	1000	2"	11	400-440V/3/50-60 Hz	9	-40 °C	1055	846	1200	2149
NDD-B-21	20,83	1250	DN80	11	400-440V/3/50-60 Hz	11,6	-40 °C	1325	844	1250	2110
NDD-B-25	25,00	1500	DN80	11	400-440V/3/50-60 Hz	11,8	-40 °C	1580	866	1400	2189
NDD-B-30	30,00	1800	DN80	11	400-440V/3/50-60 Hz	14,3	-40 °C	1970	874	1500	2164
NDD-B-36	36,67	2200	DN80	11	400-440V/3/50-60 Hz	17	-40 °C	2380	934	1600	2252
NDD-B-45	45,00	2700	DN80	11	400-440V/3/50-60 Hz	21,5	-40 °C	2890	1040	1750	2104
NDD-B-53	53,33	3200	DN100	11	400-440V/3/50-60 Hz	21,6	-40 °C	3400	1045	1750	2354
NDD-B-60	60,00	3600	DN100	11	400-440V/3/50-60 Hz	32	-40 °C	3910	1074	1820	2194
NDD-B-73	73,33	4400	DN100	11	400-440V/3/50-60 Hz	34,9	-40 °C	4760	1380	2050	2316
NDD-B-83	83,33	5000	DN125	11	400-440V/3/50-60 Hz	37,7	-40 °C	5355	1380	2050	2456
NDD-B-105	105,00	6300	DN150	11	400-440V/3/50-60 Hz	49,5	-40 °C	6900	1720	2600	2035
NDD-B-120	120,00	7200	DN150	11	400-440V/3/50-60 Hz	49,7	-40 °C	7820	1736	2600	2136
NDD-B-146	146,67	8800	DN150	11	400-440V/3/50-60 Hz	69,9	-40 °C	9605	1736	2600	2598
NDD-B-180	180,00	10800	DN200	11	400-440V/3/50-60 Hz	78	-40 °C	11730	1741	2600	2592

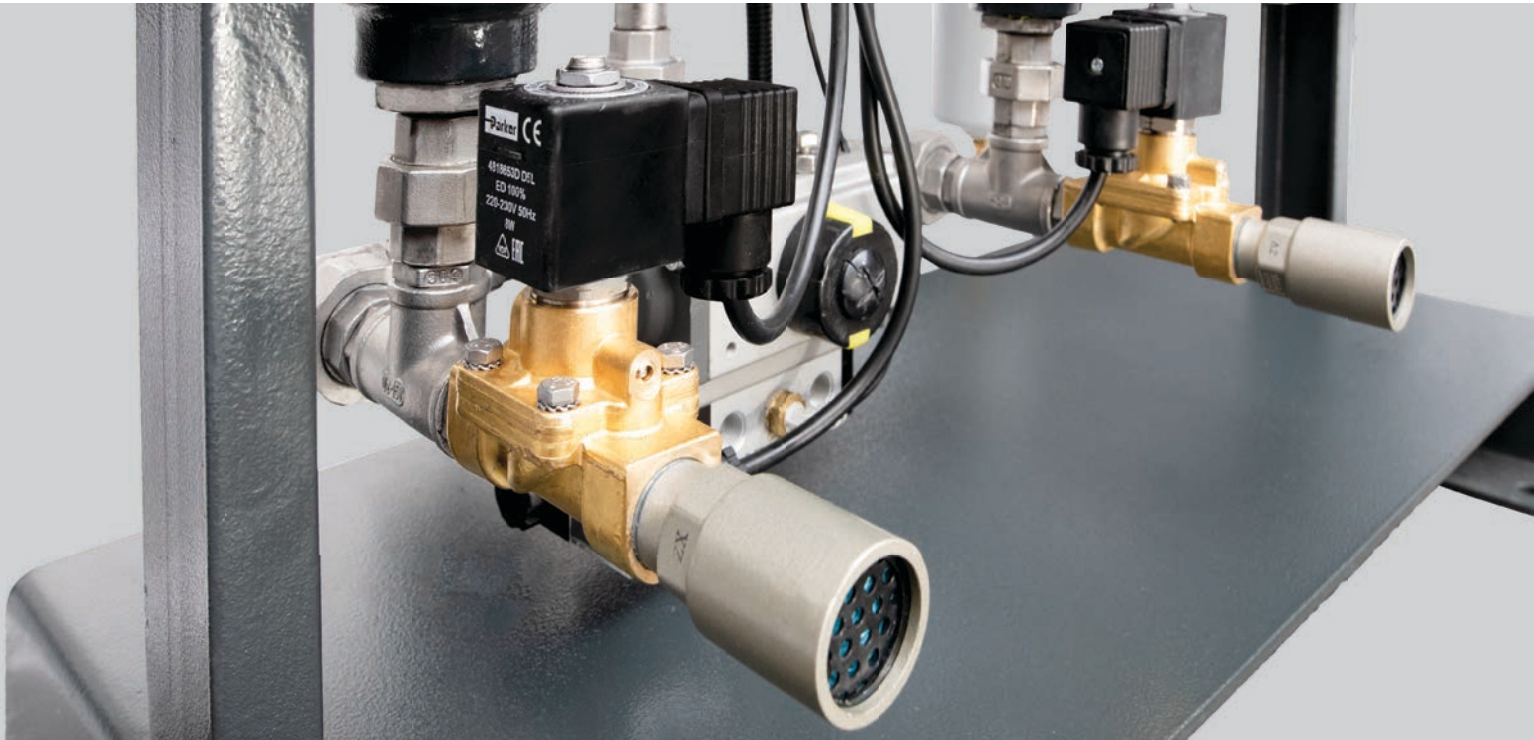
CORRECTION FACTOR						
PRESSURE (BAR g)	5	6	7	8	9	10
FACTOR	0,75	0,88	1	1,12	1,25	1,37
TEMPERATURE	20	25	30	35	40	45
FACTOR	1	1	1	1	0,8	0,73

CLEAN ENERGY FOR A CLEAN FUTURE





Oil-Free Desiccant Air Dryers



Oil-Free Desiccant Air Dryers

NitroxTec oil-free desiccant air dryers are manufactured for applications requiring extremely dry compressed air and oil-free air. The desiccant dryer and activated carbon tower complement each other. In this way, high quality oil-free dry air is obtained. NitroxTec Active carbon integrated desiccant air dryers are equipped with special valves and high-quality moisture and grease traps.

Advantages:

- It is produced according to a 24/7 operating system.
- Ease of use
- Auto start stop option
- It offers superior performance and quality.
- It has an automatic and reliable operating system.
- Site-specific production can be made according to customer needs.



Oil-Free Desiccant Air Dryers



- **Standard Accessories:**
- Color Electronic controller
- Long-lasting pneumatics of European origin valves
- Superior performance active alumina
- American and Japanese made discharge air silencers
- **Air inlet and outlet air filters:** At the entrance
- zero air loss water drainage system
- Optional accessories: Dew-point sensor and energy saving mode
- **Maximum Working Pressure:** 20 bar.
- **Regeneration air loss rates:**
- -20 Dew-point: 5%
- -40 Dew-point: 12%
- -70 Dew-point: 20%
- **Amount of oil remaining at the outlet:**
0,003 mg/m³ 0.003 ppm

Usage Areas:

- Facilities that need quality dry air
- Hospitals
- Laser cutting machines
- Feed mills
- Cement factories
- Sugar factories
- Electrostatic powder paint units
- Natural gas pipelines



NITROXTEC
INDUSTRIAL AIR & GAS SOLUTIONS

REDUCE YOUR CARBON FOOTPOINT WITH EFFICIENT SOLUTIONS



NITROXTEC NDD+CT OIL-FREE DESICCANT AIR DRYERS

MODEL	CAPACITY (m ³ /minute)	CAPACITY (m ³ /hour)	DIAMETER CONNECTION SIZE BSP FEMALE	DIMENSIONS "mm"			WEIGHT kg	DEW-POINT	ELECTRIC POWER
				LENGHT	WIDTH	HEIGHT			
NDD+CT-0.8	0,80	48	½"	645	485	1160	55	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT-1	1,00	60	½"	645	485	1340	60	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT -1.2	1,20	72	½"	645	485	1440	70	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT- 1.6	1,60	100	¾"	720	480	1415	90	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT-2	2,17	130	1"	725	505	1590	105	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT-2.6	2,67	160	1"	850	550	1350	135	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT -3.2	3,20	200	1"	850	550	1570	170	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT -4	4,17	250	1"	850	550	1850	200	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT -5	5,00	300	1 ¼"	1140	605	1550	245	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT -6	6,00	360	1 ½"	1140	590	1760	300	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT-7.3	7,33	440	1 ½"	1150	625	1640	365	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT- 9	9,58	575	1 ½"	1150	630	1790	440	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT- 11	11,33	680	2"	1230	760	1950	620	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT -14	14,17	850	2"	1500	810	1875	700	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD +CT-16	16,67	1000	2"	1500	810	2100	830	-40/-70 Cdt	230V AC 50-60 Hz 50W
NDD+CT-21	20,83	1250	2 ½"	1620	950	2180	1040	-40/-70 Cdt	230V AC 50-60 Hz 50W



HIGH PRESSURE OIL-FREE DESICCANT DRYER

HIGH PRESSURE OIL-FREE AND QUALITY DRY AIR

APPLICATION:

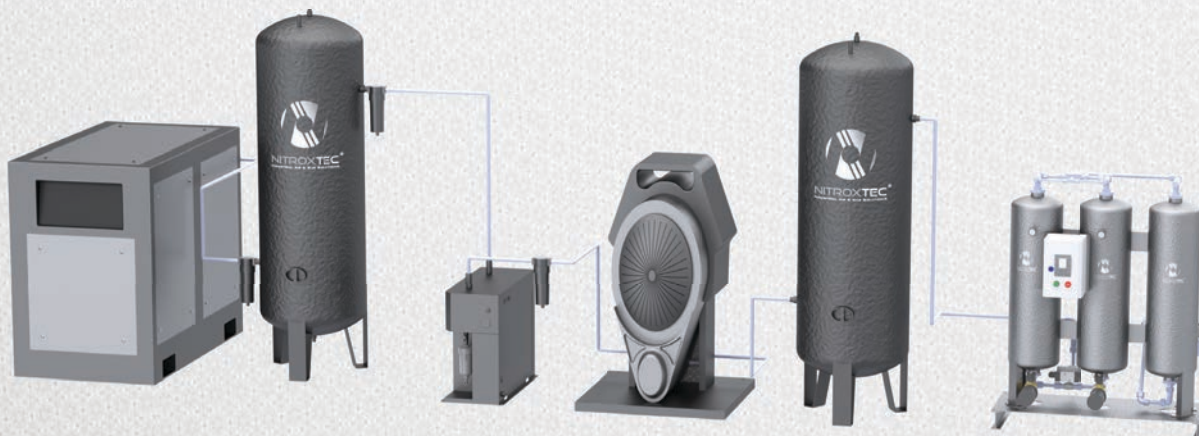
PET BOTTLE APPLICATIONS
LASER CUTTING MACHINES



Oil-Free Desiccant Air Dryer Installation Diagram



40 BAR Oil-Free Chemical Air Dryer Installation Diagram





Activated Carbon Towers

Activated Carbon Towers

NitroxTec Activated Carbon Towers are designed to separate oil vapor from the compressed air. There are flow distribution diffusers at the entrance and exits of the tower. It is designed by paying attention to the equal and homogeneous distribution of the air flow of activated carbon in the system. There is condensed or damaged oil in the form of vapor or steam leaking from the compressors therefore activated carbon is one of the best materials used to purify air, water and oil all over the World.

NitroxTec activated carbon towers have been developed to separate oil vapors from compressed air. To ensure perfect operation of the system, a special oil trap filter manufactured to Worldwide standards is mounted at the tower inlet. Special products can be achieved according to any production needs.

Since high levels of air quality are needed in sectors using superior technology such as hospital, food and beverage, aluminum and metal sectors that require air quality, it is necessary to use activated carbon towers. Activated Carbon Towers contain oil and gas in compressed air. By removing the odor from the system, oil-free and odor-free compressed air is obtained. Designed and manufactured for reliability and sustainable efficiency. Solutions suitable for all needs with our activated carbon towers.

Advantages:

- An air filter complying with European standards has been applied. It has an automatic and reliable operating system.
- Maximum performance is provided with low power consumption.
- With silencer at the discharge air outlet to reduce the noise level is equipped.
- With the help of electronically operated discharge valves and special filters are integrated into the system to remove water, oil mist and dust particles .

Activated Carbon Towers Features

- Removes oily odor and oil mist from compressed air.
- At the outlet of the activated carbon tower Provides oil vapor amount less than 0,003 ppm.
- Thanks to its special design, it prevents the movement of the bed and carbon degradation/ pollution.
- Thanks to an optional oil gauge which checks the oil level to indicate the air being clean by measuring its flow.
- Thanks to self-supporting floor mounting it is easy to install and assemble.
- With the high quality activated carbon made in Germany the efficient and sustainable pure air is achieved which guarantees its purity.
- Inlet air temperature range: 1,5 °C to 50 °C
- High pressure models can be designed according to your needs.





Activated Carbon Towers

- **-OPmax :** 200 mbar.
- **Working Pressure:** Max. for 16 bar models. Max.40 bar for 16-bar 40 bar pressure models
- **Compressed Air Flow Rate:** 20 °C (1 bar free normal air) (ISO1217)
- **Output Oil Concentration:** 0,003 mg/m³
- **Service Life Max..** ~ 8.000 hours at 30 °C 4,000 hours at 45 °C
- **Standard accessories:**
- **At the inlet:** 1 micron oil filter
- **Output:** 1 micron dust filter

ACTIVE CARBON TOWER FILTERS

MODEL NO	m³/ minute	m³/ hour	DIAMETER CONNECTION SIZE BSP FEMALE	DIMENSIONS "mm"		WEIGHT kg	
				WIDTH	HEIGHT	16 BAR	40 BAR
NCT-0.3	0,30	24	¼"	270	690	10	15
NCT-0.5	0,50	30	¼"	300	950	20	30
NCT-0.8	1,00	48	½"	380	1110	25	40
NCT-1	1,20	60	½"	385	1240	30	50
NCT-1.2	1,50	72	½"	400	1280	35	55
NCT-1.6	2,17	90	¾"	440	1310	40	65
NCT-2.1	2,67	130	¾"	430	1640	45	70
NCT-2.6	3,20	160	1"	460	1380	50	80
NCT-3.2	4,17	185	1"	480	1590	60	95
NCT-4.1	5,00	250	1"	480	1860	70	110
NCT-5	6,00	300	1 ½"	530	1550	85	135
NCT-6	7,33	360	1 ½"	530	1780	100	160
NCT-7.30	7,33	440	1 ½"	610	1720	120	190
NCT-9.50	9,58	575	1 ½"	610	1840	150	240
NCT-11	11,33	680	2"	610	1960	200	320
NCT-14	14,17	850	2"	590	2210	250	400
NCT-16	16,67	1000	2"	700	1910	300	480
NCT-20	20,83	1250	2"	700	2110	370	600
NCT-25	25,00	1500	2 ½"	740	2360	450	720
NCT-30	30,00	1800	3"	740	2375	520	830
NCT-36	36,67	2200	DN80	920	2125	600	960
NCT-45	45,00	2700	DN80	740	2255	650	1040
NCT-53	53,33	3200	DN100	740	2250	750	1200
NCT-60	60,00	3600	DN100	750	2010	800	1280
NCT-73	73,33	4400	DN100	1100	1950	900	1440
NCT-83	83,33	5000	DN150	750	2090	1000	1600
NCT-105	105,00	6300	DN150	750	2090	1100	1760
NCT-120	120,00	7200	DN150	900	2000	1250	2000
NCT-146	146,67	8800	DN150	900	2080	1500	2400
NCT-180	180,00	10800	DN200	900	2250	1750	2800

25-30 BAR LASER CUTTING OIL-FREE DRY AIR SYSTEMS

PLUG & START



ALL IN ONE





The Power of Production



NITROXTEC

INDUSTRIAL AIR & GAS SOLUTIONS

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