



NITROGEN PSA GENERATOR

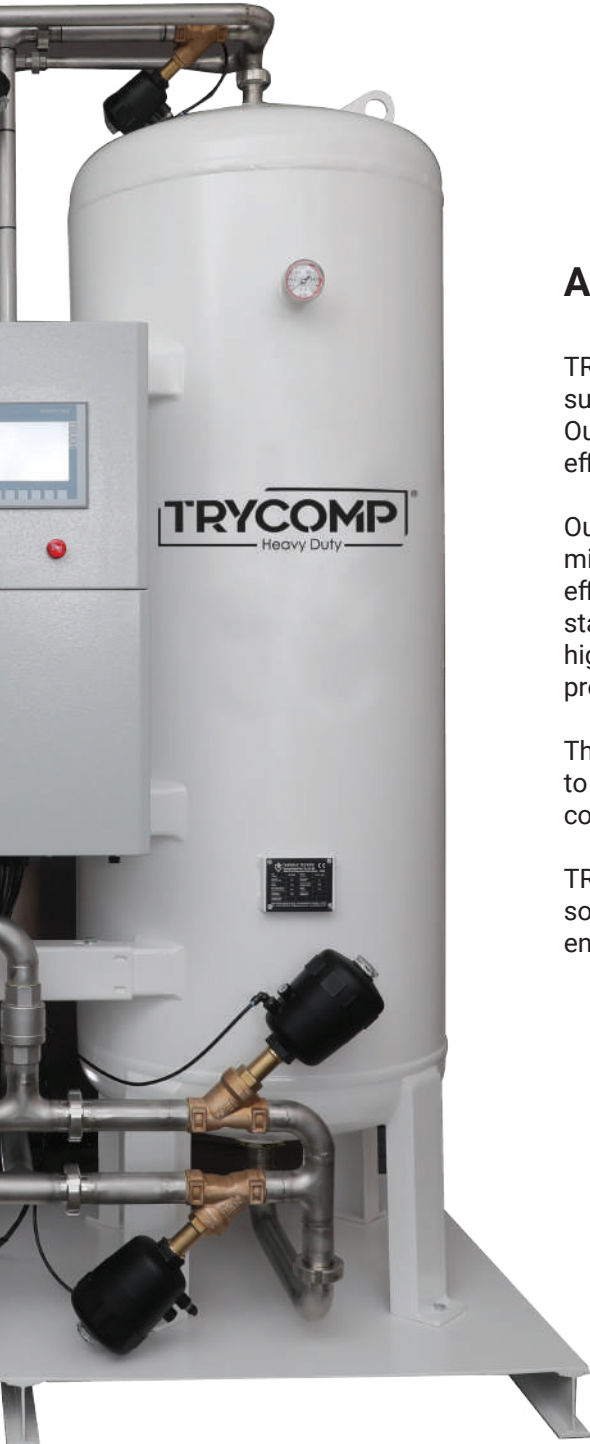
TNG-2024/V01



OXYGEN GENERATOR TWIN TOWER-PSA



NITROGEN GENERATOR TWIN TOWER-PSA



About Us

TRYCOMP has over 10 years of experience in the sector, supported by deep technical knowledge and education. Our goal is to produce the highest quality and most efficient machine and system solutions for the world.

Our company provides services to customers with minimal costs, optimal performance, and maximum efficiency, while maintaining the highest quality standards. Customer satisfaction is ensured at the highest level through the solutions offered at our production facilities.

The source of our success and the solutions we provide to the industry lies in the value we place on our colleagues and business partners.

TRYCOMP is committed to producing sustainable solutions with a vision of quality and efficiency in its energy journey.

Our features that make a difference

Our features that make a difference

Superior Siemens PLC and Control Panel
7" - 4" Color touchscreen color screen
7 different language options
+14 sensor in puts
Oxygen sensor with long life Zirconium dioxide structure
Modbus/Profibus/RMB
Hub box remote access, monitoring and data collection
IP55 protection standard
Long life pneumatic control valves
Dewpoint measurement at air inlet automatic protection mode
Original Design

Low Air Co - efficient

Premium quality CMS
The lowest air / gas factor
Air consumption as required
High flow rate nitrogen production with smaller capacity compressors
Low energy consumption, economical production of nitrogen gas
Nitrogen gas purification unit solutions with the help of energy-saving
Hydrogen gas according to demand.

Redundant Valve System in Processes Where It is Undesirable for the Nitrogen Generator to Stop During Service and Maintenance

Spare valve set
Guarantee of uninterrupted production
Ease of maintenance
Easy control
Valve connection with guaranteed leak
Perfect continuous production with long lasting and robust piston valves
Fittings and pipes are stainless steel.
Stainless steel superior filter system in which there are no problems such as clogging and explosion in the Nitrogen Generator.



Our Products

Nitrogen Generators



Oxygen Generators



Oil Free Desiccant Air Dryers



Desiccant Air Dryers

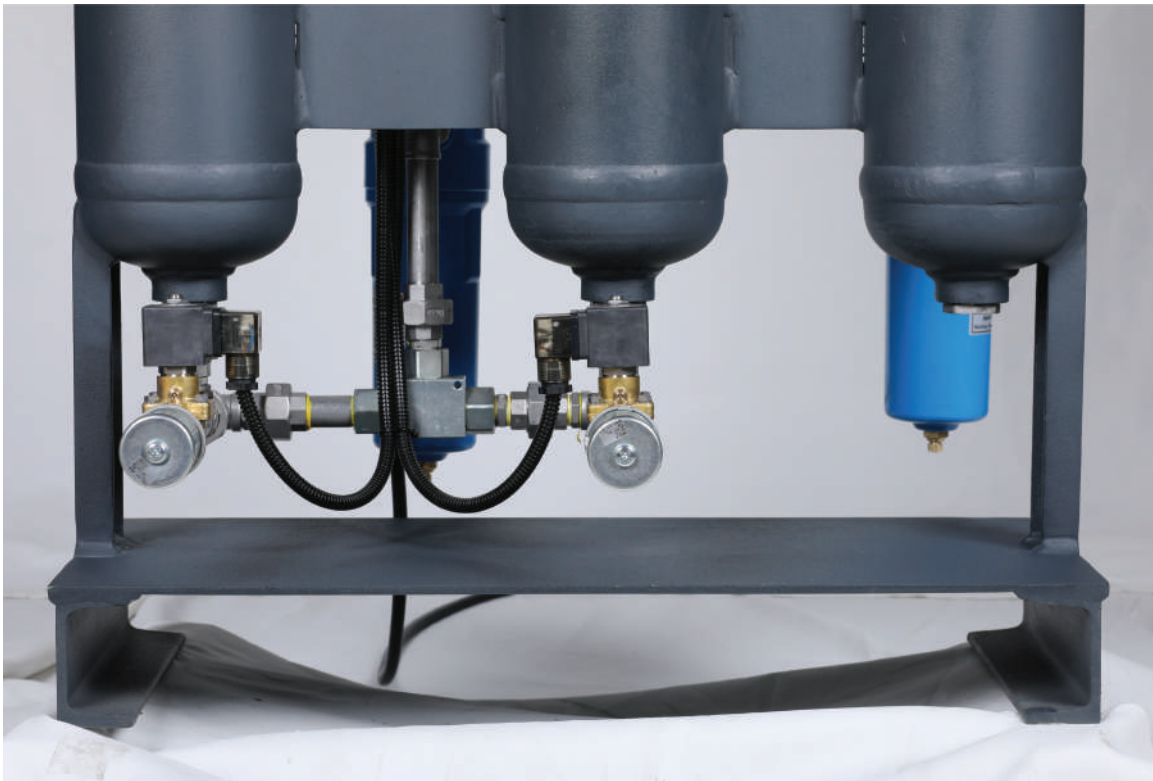


Activated Carbon Tower Filters





Nitrogen Generators



Nitrogen Generators

It is designed to provide maximum performance and uninterrupted nitrogen production. It is manufactured using superior technology and works with the PSA (Pressure Swing Adsorption) process. The PSA-type nitrogen generator produces nitrogen from compressed air. Nitrogen molecules, which make up %78 of the air, are separated from oxygen and argon using a substance called carbon molecular sieve (CMS) to obtain pure nitrogen. It is manufactured with %100 purity control technology.

Low Operating and Maintenance Expenses

Long maintenance intervals
High-quality equipment
Economical spare parts and low service costs
Exhaust and valve systems that do not require maintenance or replacement.

Our Advantages:

We produce nitrogen generators with a capacity range of 0.5 to 2,100 Nm³/h, with purity levels ranging from %95 to %99.999 (1 ppm).

Our nitrogen generators enable you to produce high-efficiency nitrogen at the purity level you need. PSA technology guarantees the best value for your investment, and high purity is achieved with carbon molecular sieve technology.

The nitrogen generator is designed to operate 7/24.

Our nitrogen generator features an automatic start and stop system. It automatically activates when gas is needed in the facility and enters standby mode when no gas is required.

Our nitrogen generators operate using automatic purity control, featuring a long-lasting, high-quality zirconium dioxide sensor that continuously measures gas purity.

TECHNICAL SPECIFICATION NITROGEN GENERATOR PSA TECHNOLOGY DIMENSION & CONNECTIONS ELECTRIC CONSUMPTION

MODEL	DIMENSIONS "mm"			WEIGHT	Air Inlet Connections Size BSP Female	Electric Power	
	LENGTH	WIDTH	HEIGHT				
TRYNitro 01	400	300	1000	45	1/4"	230 V AC 50-60 HZ	250 W
TRYNitro 02	450	350	1150	60	1/4"	230 V AC 50-60 HZ	250 W
TRYNitro 03	450	400	1250	80	1/2"	230 V AC 50-60 HZ	250 W
TRYNitro 04	500	450	1350	100	1/2"	230 V AC 50-60 HZ	250 W
TRYNitro 05	650	450	1350	120	1/2"	230 V AC 50-60 HZ	250 W
TRYNitro 06	700	450	1450	145	3/4"	230 V AC 50-60 HZ	250 W
TRYNitro 07	850	550	1500	210	3/4"	230 V AC 50-60 HZ	250 W
TRYNitro 08	950	600	1650	270	3/4"	230 V AC 50-60 HZ	250 W
TRYNitro 09	1000	650	1750	330	1'	230 V AC 50-60 HZ	250 W
TRYNitro 10	1100	700	1900	400	1'	230 V AC 50-60 HZ	250 W
TRYNitro 11	1100	700	2100	470	1'	230 V AC 50-60 HZ	250 W
TRYNitro 12	1100	700	2300	540	1 1/4"	230 V AC 50-60 HZ	250 W
TRYNitro 13	1200	800	2350	690	1 1/2"	230 V AC 50-60 HZ	250 W
TRYNitro 14	1350	950	2350	850	1 1/2"	230 V AC 50-60 HZ	250 W
TRYNitro 15	1450	1000	2450	1100	1 1/2"	230 V AC 50-60 HZ	250 W
TRYNitro 16	1800	1020	2550	1600	1 1/2"	230 V AC 50-60 HZ	250 W
TRYNitro 17	1820	1050	2600	2000	2"	230 V AC 50-60 HZ	250 W
TRYNitro 18	1900	1110	2650	2700	2"	230 V AC 50-60 HZ	250 W
TRYNitro 19	2000	1200	2650	3300	2"	230 V AC 50-60 HZ	250 W
TRYNitro 20	2150	1400	2650	4000	2 1/2"	230 V AC 50-60 HZ	250 W
TRYNitro 21	2250	1600	2700	4850	2 1/2"	230 V AC 50-60 HZ	250 W
TRYNitro 22	2400	1750	2700	5500	3"	230 V AC 50-60 HZ	250 W
TRYNitro 23	2500	1900	2700	6300	3"	230 V AC 50-60 HZ	250 W

INDUSTRIAL COMPRESSED AIR & GAS SOLUTIONS

Nitrogen Productions (Nm³/h)

MODEL	95%	96%	97%	98%	99%	99,50%	99,90%	99,95%	99,99%	99,995%	99,999%	99,9995%	99,9999%
TRYNitro 01	8,00	7,1	6,30	5,50	4,20	3,40	2,35	2,00	1,6	1,15	0,85	0,75	0,50
TRYNitro 02	15,80	14,2	1260	11,00	8,40	6,80	4,70	4,00	3,20	2,3	1,70	1,5	1
TRYNitro 03	31,60	28,4	2560	2200	16,80	1360	9,40	8,00	6,40	4,6	3,50	3	2,1
TRYNitro 04	47,40	42,6	37,80	3300	25,20	20,40	1410	1200	9,60	6,9	5,10	4,5	3,2
TRYNitro 05	63,20	56,8	50,40	44,00	3360	27,20	18,80	1600	12,80	9,2	6,80	6	4,5
TRYNitro 06	79,00	71	63,00	55,00	42,00	34,00	23,50	20,00	1600	11,5	8,50	7,5	6
TRYNitro 07	110,60	99,4	88,60	7700	58,80	47,60	32,90	28,00	2240	16,22	1200	10,5	8,1
TRYNitro 08	142,10	127,8	114,20	99,00	7577,60	61,20	42,30	36,00	28,80	20,7	1600	135	11
TRYNitro 09	173,70	156,2	139,80	121,00	92,40	74,80	51,70	44,00	35,20	25,3	20,00	16,5	13
TRYNitro10	205,20	184,6	165,40	143,00	109,40	88,40	61,10	52,00	41,60	29,9	24,00	19,5	15
TRYNitro 11	236,70	213	191,00	165,00	126,20	102,00	70,40	60,00	48,00	34,5	28,00	22,5	18
TRYNitro 12	268,20	141,4	21660	187,00	143,00	11560	79,40	68,00	5440	39,1	32,00	25,5	21
TRYNitro 13	347,20	312,4	279,60	242,00	185,00	149,60	102,90	88,00	70,40	50,6	40,50	33	27
TRYNitro 14	457,80	411,8	368,20	31900	243,80	197,20	135,80	11600	92,80	62,1	52,50	43,5	35
TRYNitro 15	599,90	539,6	482,40	41800	31940	25840	178,10	152,00	121,60	82,8	68,50	57	45
TRYNitro 16	742,10	667,4	596,60	51700	39500	31960	22040	18800	15040	103,5	84,50	70,5	55
TRYNitro 17	884,10	795,2	710,80	61600	470,60	380,80	262,70	224,00	179,20	124,2	100,50	84	64
TRYNitro 18	1026,20	923	825,00	71500	546,20	442,00	30500	26000	208,00	144,9	116,50	97,5	74
TRYNitro 19	1168,30	1050,8	939,20	81400	621,80	503,00	347,30	296,00	236,80	165,6	132,50	111	84
TRYNitro 20	1342,00	1207	1079,00	93500	714,20	578,00	399,00	340,00	272,00	190,7	152,50	127,5	96
TRYNitro 21	1547,20	1391,6	1244,40	110000	823,60	664,40	469,40	392,00	31360	225,4	180,50	150	113
TRYNitro 22	180000	1600	1409,80	1265,00	93300	754,80	539,80	44400	355,20	259,9	208,50	172,5	129
TRYNitro 23	210000	1800	1575,20	1430,00	1042,40	843,20	610,20	496,00	396,80	294,4	236,50	194,5	145

COMPRESSED AIR INLET 8BAR G													
PURITY	95%	96%	97%	98%	99%	99,50%	99,90%	99,95%	99,99%	99,995%	99,999%	99,9995%	99,9999%
O ₂	5%	4%	3%	2%	1%	0,50%	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	2,8	3,3	3,6	4	5,8	6,4	7,7	8,9
AMBIENT TEMPERATURE +25°C								INLET AIR Dewpoint+3°C					

AIR INLET 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
0,75	0,83	0,91	1	1,13	1,19	1,22



INDUSTRIAL COMPRESSED AIR & GAS SOLUTIONS



Nitrogen Production With TRYCOMP

ARNIKA
COMPANY

INDUSTRIAL COMPRESSED AIR & GAS SOLUTIONS



Online Access

Siemens PLC HMI 7"



Online Mobile Access Choice

WE QUICKLY CREATE SOLUTIONS TO PROBLEMS BY QUICKLY CONNECTING TO ANYPOINT IN THE WORLD WITH REMOTE CONNECTION.

THE SIMPLE AND EASY MANAGEMENT PANEL SAVES TIME BY OVERCOMING PROBLEMS.



Your vision is our commitment.

Reach out to us today, to explore the great possibilities.

A brand by **ARNIKA**
—COMPANY—

Factory: Yukarı Dudullu Mahallesi, Necip Fazıl Bulvarı,
Keyap Sitesi D1 Blok No.44/58
PK. 34775 / Ümraniye/İstanbul/TÜRKİYE

+90 216 540 15 00 - 01-02
E-mail: info@trycomp.com.tr
www.trycomp.com.tr