

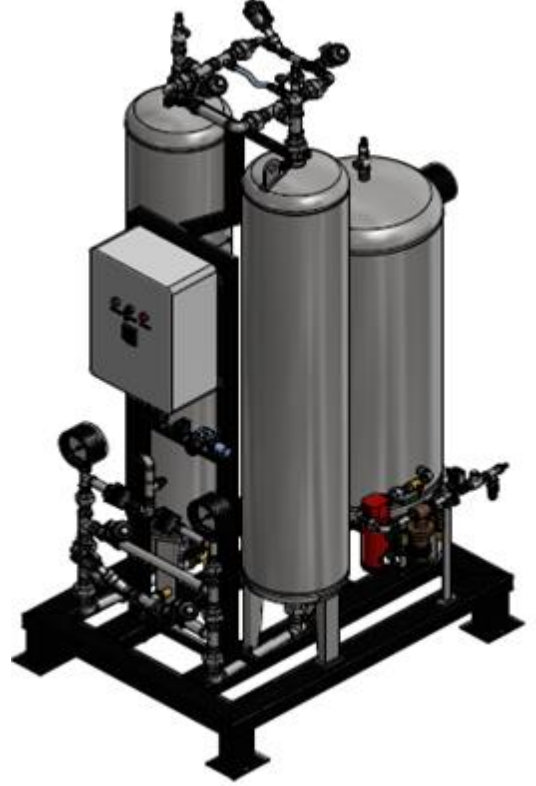
ÖZAK Nitrogen Generators Standard Series - High Purity (NG60HP+)

The economical, reliable and user-friendly solution for nitrogen gas needs.

ÖZAK nitrogen generators produce nitrogen gas from compressed air and offer a cost-effective, reliable and safe alternative to traditional nitrogen gas supplies such as cylinder or liquid.

Nitrogen is used as a clean, dry, inert gas primarily for removing oxygen from products and/or processes.

ÖZAK nitrogen generator provides an on-demand, continuous source of nitrogen gas which can be used in a wide range of industries such as food, beverage, laboratory, chemical, electronics, transportation and oil and gas.



Features

- ✓ Operates on PSA (Pressure Swing Adsorption) principle
- ✓ Proprietary design
- ✓ Simple operator interface
- ✓ Optimum instrumentation
- ✓ Best quality robust components

Benefits

- ✓ High nitrogen purities (up to %99.999) can be achieved economically
- ✓ High efficiency (high nitrogen to air ratio), which means low nitrogen cost
- ✓ Easy to use
- ✓ No unnecessary electronics that complicate to use and maintain
- ✓ Years of uninterrupted service with zero service calls



ISO 9001:2015

Technical Data

- Air separation principle : Pressure Swing Adsorption
- Nitrogen supply pressure : About 1,5 bar less than air supply pressure (maximum 8 bar)
- Power requirement : 230 VAC (Other voltages optional)
- Power consumption : Negligible (less than 300W)
- Operating environment : Should be installed in a covered and well-ventilated area
- Operating temperature : +5/+40°C

Feed air requirement

- Minimum pressure : 8,5 bar (It can work at pressures down to 5.5 bar but with lower capacity)
- Temperature : maximum 30°C
- Oil : $\leq 0,003 \text{ mg/m}^3$
- Particulate : $\leq 0,01$ micron
- Dew point : $\leq 3^\circ\text{C}$

Standard Instrumentation

- Oxygen content is continuously measured and displayed.
- If oxygen content is higher than a user programmable preset value, then generated nitrogen is diverted to waste so that the product does not become contaminated.
- Stop automatically when the nitrogen storage tank pressure rises to a preset value. Shall start automatically when the pressure drops. This pressure set value can be adjusted by the user.
- **Displays:** Percent oxygen, pressure in the three tanks, Operating hours, On/Off indicator, Nitrogen tank full indicator
- **Alarms:** Low nitrogen pressure
- Nitrogen purity can be adjusted manually by the user.
- Displays warning message for changing the element of the activated carbon filter.

Optional Instrumentation and accessories

Any other features and components are possible. Please advise us of your extra requirements.

Weights, Dimensions and Capacities:

MODEL	Nitrogen Purity		%95,00		%97,00		%99,00		%99,50		%99,90		%99,99		%99,999	
	Dimensions (cm)	Weight (kg)	N ₂ (m ³ /h)	Air (m ³ /h)	N ₂ (m ³ /h)	Air (m ³ /h)	N ₂ (m ³ /h)	Air (m ³ /h)	N ₂ (m ³ /h)	Air (m ³ /h)	N ₂ (m ³ /h)	Air (m ³ /h)	N ₂ (m ³ /h)	Air (m ³ /h)	N ₂ (m ³ /h)	Air (m ³ /h)
NG60	110x90x205	860	173,3	347,0	133,9	295,0	90,5	244,0	75,6	219,0	56,7	193,0	39,7	164,0	21,3	119,1
NG70	110x90x230	920	202,2	404,0	156,2	344,0	105,5	285,0	88,2	256,0	66,2	225,0	46,3	191,0	24,9	138,9
NG80	110x90x255	980	231,1	462,0	178,6	393,0	120,6	326,0	100,8	292,0	75,6	257,0	52,9	218,0	28,5	158,8
NG90	130x110x210	1.080	260,0	520,0	200,9	442,0	135,7	366,0	113,4	329,0	85,1	289,0	59,5	245,0	32,0	178,6
NG100	130x110x230	1.160	288,9	578,0	232,2	491,0	150,8	407,0	126,0	365,0	94,5	321,0	66,2	273,0	35,6	198,5
NG120	130x110x260	1.240	346,7	693,0	267,8	589,0	180,9	488,0	151,2	438,0	113,4	386,0	79,4	327,0	42,7	238,2
NG140	160x130x255	1.440	404,5	809,0	312,5	687,0	211,1	570,0	176,4	512,0	132,3	450,0	92,6	382,0	49,8	277,9
NG160	160x130x275	1.540	462,2	924,0	357,1	786,0	241,2	651,0	201,6	585,0	151,2	514,0	105,8	436,0	56,9	317,6
NG180	160x130x295	1.640	520,0	1.040,0	401,8	884,0	271,4	733,0	226,8	658,0	170,1	578,0	119,1	491,0	64,0	357,3
NG200	160x130x315	1.740	577,8	1.156,0	446,4	982,0	301,5	814,0	252,0	731,0	189,0	643,0	132,3	545,0	71,1	397,0
NG250	180x130x280	2.250	722,3	1.445,0	558,0	1.228,0	376,9	1.018,0	315,0	914,0	236,3	803,0	165,4	681,0	88,9	496,2
NG300	180x130x325	2.750	866,7	1.733,0	669,6	1.473,0	452,3	1.221,0	378,0	1.096,0	283,5	964,0	198,5	818,0	106,7	595,5
NG350	180x130x375	3.250	1.011,2	2.022,0	781,2	1.719,0	527,6	1.425,0	441,0	1.279,0	330,8	1.125,0	231,5	954,0	124,5	694,7
NG400	180x130x405	3.750	1.155,6	2.311,0	892,8	1.964,0	603,0	1.628,0	504,0	1.462,0	378,0	1.285,0	264,6	1.090,0	142,3	794,0

- Measured at 8 bar adsorption pressure and 20°C ambient temperature.
- Reference conditions for N₂ and air flow rates : 25°C and 1 atm
- Dimensions and weights are approximate.
- We manufacture bigger models also. Please contact us for their technical properties.
- We reserve the right to revise the specs as needed.

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