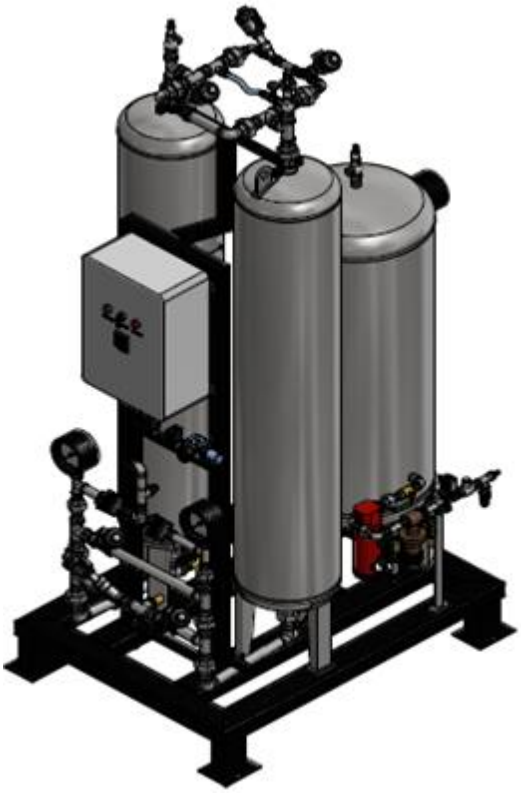
ÖZAK Nitrogen Generators
Standard Series
(NG4-NG50)

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

CE

özak Gas Technologies

TS EN ISO 9001 : 2008

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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 : ≤ 0,003 mg/m^3
- Particulate : ≤ 0,01 micron
- Dew point : ≤ 3°C

Standard Instrumentation

- Oxygen level is automatically adjusted, 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 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:

	Nitrogen Purity		95,00%		97,00%		99,00%		99,50%		99,90%		99,99%		99,999%	
MODEL	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)
NG4	105x90x130	250	11,6	23,0	8,9	20,0	6,0	16,0	5,0	15,0	3,8	13,0	2,6	11,0	1,4	7,9
NG6	105x90x160	280	17,3	35,0	13,4	29,0	9,0	24,0	7,6	22,0	5,7	19,0	4,0	16,0	2,1	11,9
NG8	115x100x140	315	23,1	46,0	17,9	39,0	12,1	33	10,1	29,0	7,6	26,0	5,3	22,0	2,8	15,9
NG10	115x100x160	350	28,9	58,0	22,3	49,0	15,1	41,0	12,6	37,0	9,5	32,0	6,6	27,0	3,6	19,8
NG15	70x55x150	450	43,3	87,0	33,5	74,0	22,6	61,0	18,9	55,0	14,2	48,0	9,9	41,0	5,3	29,8
NG20	80x65x150	500	57,8	116,0	44,6	98,0	30,2	81,0	25,2	73,0	18,9	64,0	13,2	55,0	7,1	39,7
NG25	80x65x175	550	72,2	144,0	55,8	123	37,7	102,0	31,5	91,0	23,6	80,0	16,5	68,0	8,9	49,6
NG30	80x65x200	600	86,7	173,0	67,0	147,0	45,2	122,0	37,8	110,0	28,4	96,0	19,8	82,0	10,7	59,5
NG40	80x65x250	675	115,6	231,0	89,3	196	60,3	163,0	50,4	146,0	37,8	129,0	26,5	109,0	14,2	79,4
NG50	110x90x180	800	144,5	289,0	111,6	246,0	75,4	204,0	63,0	183,0	47,3	161,0	33,1	136,0	17,8	99,2

- Measured at 8 bar adsorption pressure and 20°C ambient temperature
- Dimensions and weights are approximate
- We reserve the right to revise the specs as needed

Revision: 25.11.2025