ÖZAK Nitrogen Generators

Mini Series - High Purity

The economical, reliable and practical 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 mini series is a portable plug-and-run type nitrogen generator which is developed for anybody who needs a portable, low cost nitrogen supply. Laboratories, air conditioning installers, small food packers. tire repair shops etc. to name a few.

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, low nitrogen cost, compact sizes
- ✓ Easy to use
- ✓ No unnecessary electronics that complicate to use and maintain
- ✓ Years of uninterrupted service with zero service calls

CE

özak Gas Technologies

ISO 9001:2015

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Technical Data

- Air separation principle : Pressure Swing Adsorption
- Nitrogen supply pressure : Max. 8,5 bar (depends on air supply pressure)
- Power requirement : 220 VAC (Other voltages optional)
- Power consumption : Negligible (less than 15W)
- Operating environment : Should be installed in a covered and well-ventilated area
- Operating temperature : +5/+40°C

Feed air requirement

- Minimum pressure : 5,5 bar
- Temperature : Maximum 30°C
- Oil : <= 0,003 mg/m^3
- Particulate : <= 0,01 micron
- Dew point : <= 3°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
- Nitrogen purity can be adjusted manually by the user.
- Displays warning message for changing the element of the active carbon filter.

Optional Instrumentation and accessories

We can provide for any extra instrumentation which is technically possible (flowmeter, touchpad operator panel, remote access and diagnostic, recording process parameters etc.). 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 (l/min)	Air (l/min)	N_2 (l/min)	Air (l/min)	N_2 (l/min)	Air (l/min)	N_2 (l/min)	Air (l/min)	N_2 (l/min)	Air (l/min)	N_2 (l/min)	Air (l/min)	N_2 (l/min)	Air (l/min)
NG0,25	30x40x22	12	10,0	20,1	7,8	17,1	5,2	14,1	4,4	12,7	3,3	11,2	2,3	9,5	1,5	8,1
NG0,5	50x70x25	23	20,1	40,1	15,5	34,1	10,5	28,3	8,8	25,4	6,6	22,3	4,6	18,9	2,9	16,2
NG1	50x70x30	40	40,1	80,3	31,0	68,2	20,9	56,5	17,5	50,8	13,1	44,6	9,2	37,9	5,8	32,4
NG2	60x90x30	80	80,3	160,5	62,0	136,4	41,9	113,1	35,0	101,5	26,3	89,3	18,4	75,7	11,6	64,9
NG3	60x120x30	120	120,4	240,8	93,0	204,6	62,8	169,6	52,5	152,3	39,4	133,9	27,6	113,6	17,4	97,3

- 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 reserve the right to revise the specs as needed.

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