PSA Nitrogen Generators
Standard Series

The Premium Performance

Oxywise Nitrogen generators produce high quality nitrogen from compressed air by Pressure Swing Adsorption (PSA). Our generators represent a reliable and cost effective alternative to traditional Nitrogen supplies.

Standard Features

- Stainless steel piping
- Colour touch screen control
- Built in purity analyser for constant monitoring
- Data-logging via USB interface
- Modbus TCP communication
- Remote start/stop relay
- Designed for dynamic pressure loading

Optional add-ons

- Flow control valve – flow & purity adjustmen
- Energy saving valve – reduces compressed air usage during turn down
- Purity control – off spec purge
- Sequential start/stop – one button operation
- SMS alarm
- Remote monitoring
- Audio-visual alarm
- and others

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Model	Nitrogen capacity														Dimensions	Weight
	95.0%		98.0%		99.0%		99.5%		99.9%		99.99%		99.999%		99.9995%		LxWxH	
	kg/h	m³/h	kg/h	m³/h	kg/h	m³/h	kg/h	m³/h	kg/h	m³/h	kg/h	m³/h	kg/h	m³/h	kg/h	m³/h	cm	kg
N2	15.3	13.2	10.8	9.3	8.5	7.3	7.5	6.5	5.6	4.8	3.7	3.2	1.9	1.7	1.5	1.3	55x70x170	165
N4	30.6	26.4	21.6	18.6	17.0	14.7	15.0	13.0	11.2	9.6	7.4	6.4	3.9	3.3	2.9	2.5	62x72x192	200
N6	45.9	39.6	32.4	27.9	25.5	22.0	22.6	19.4	16.7	14.4	11.1	9.5	5.8	5.5	4.4	3.7	65x80x195	250
N9	68.9	59.4	48.6	41.9	38.3	33.0	33.8	29.1	25.1	21.6	16.6	14.3	8.7	7.5	6.5	5.6	78x82x193	320
N12	91.8	79.1	64.8	55.9	51.0	44.0	45.1	38.9	33.5	28.9	22.1	19.1	11.6	10.0	8.7	7.5	82x82x212	450
N15	114.8	98.9	81.0	69.8	63.8	55.0	56.4	48.6	41.9	36.1	27.7	23.9	14.5	12.5	10.9	9.4	87x83x213	550

Operating conditions

Ambient temperature range	5°C to 50°C
Nitrogen outlet pressure	5 to 9 barG
Nitrogen dew point	-50°C (-70°C)
Air inlet pressure	7.5 to 10barG
Inlet air quality	ISO: 8573.1:2010 class 1.4.1.
Pressure dew point	3°C
Filtration grade	0.01 micron
Power supply	110-240V / 50-60Hz

Notes

Performance data is based on 7 barG inlet pressure and 20°C to 30°C ambient temperature.

Flow stated in cubic meter (m3) is with reference conditions, Temperature: 20°C, Pressure: 1.013 barA.

Conversion factor for m3 with reference conditions, Temperature: 0°C, Pressure: 1.013 barA is 0.8 m3/kg.

Designs and specifications are subject to change without notice or obligation.

Typical applications

- ✓ Electronics
- ✓ Food packaging
- ✓ Laser cutting
- ✓ Inerting
- ✓ Pharmaceutics
- ✓ Plastics
- ✓ Tyre filling

KEY Benefits

- ✓ Flexibility
- ✓ Cost-effectiveness
- ✓ Safety
- ✓ Easy operation
- ✓ Reliability