

OXYWISE NITROGEN GENERATORS SERIES



COMPLETE AIR
& POWER SOLUTIONS



PSA NITROGEN GENERATORS STANDARD SERIES

PREMIUM PERFORMANCE

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

STANDARD FEATURES

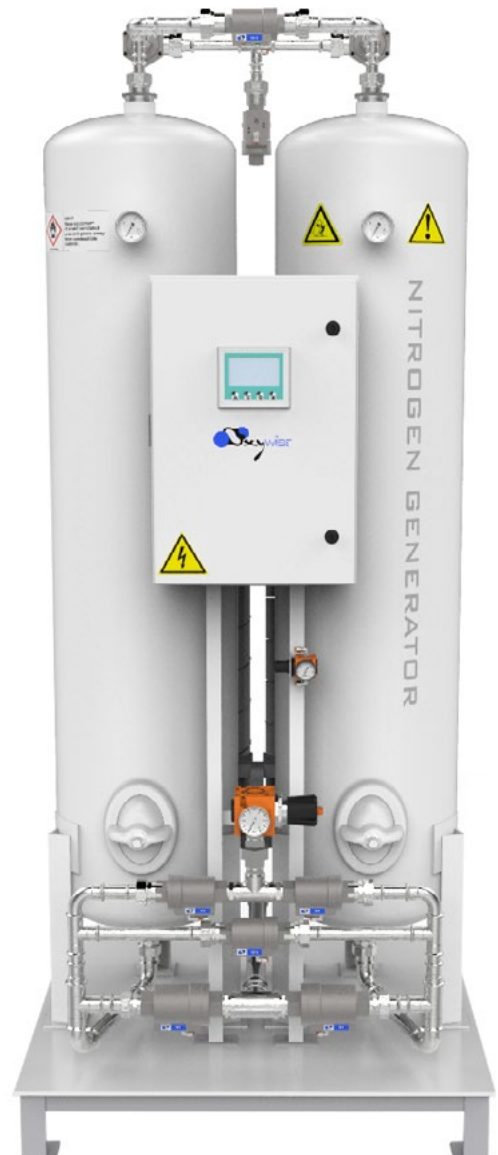
- Stainless steel piping
- Colour touch screen control
- Built in purity analyser for constant monitoring
- Data-logging via USB interface
- Modbus TCP communication
- Remote start/stop relay
- Designed for dynamic pressure loading

OPTIONS

- Flow control valve – flow & purity adjustment
- 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 according to application

INDUSTRIAL APPLICATIONS

- Electronics
- Food packaging
- Laser cutting
- Inerting
- Pharmaceuticals
- Plastics
- Tyre filling



KEY BENEFITS

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

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

Model	Dimensions LxWxH (cm)	Weight (Kg)
N2	55x70x170	165
N4	62x72x192	200
N6	65x80x195	250
N9	78x82x193	320
N12	82x82x212	450
N15	87x83x213	550



MODEL	NITROGEN CAPACITY															
	95.0%		98.0%		99.0%		99.5%		99.9%		99.99%		99.999%		99.9995%	
	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
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
N4	30.6	26.4	21.3	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
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
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
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
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

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

PSA NITROGEN GENERATORS SEP SERIES

PREMIUM PERFORMANCE

The unique SEP design provides consistent high flow rates of nitrogen with a minimum footprint. Together with molecular sieve protection from moisture to substantially lower the cost and extend the generators.

STANDARD FEATURES

- Colour touch screen control
- Built in purity analyser for constant monitoring
- Modbus TCP, Ethernet communication
- Remote start/stop relay
- Data-logging via USB interface

OPTIONS

- Flow control valve – flow & purity adjustment
- 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 according to application

TYPICAL APPLICATIONS

- Electronics
- Food packaging
- Laser cutting
- Inerting
- Pharmaceuticals
- Plastics
- Tyre filling



Models N65 to N150



KEY BENEFITS

- Carbon sieve anti-crush design
- No channelling effect
- Minimized footprint
- Mol sieve protection
- Siemens based control system
- Stainless steel piping
- Designed for dynamic pressure loading

Model	Dimensions LxWxH (cm)	Weight (Kg)
N20	105x95x210	750
N27	130x85x220	1000
N35	135x95x220	1150
N50	162x113x213	1800
N65	181x113x225	2300
N80	192x125x225	2800
N100	205x140x265	3000
N125	205x140x300	3300
N150	205x140x350	4000

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



Models N20 to N50

MODEL	NITROGEN CAPACITY															
	95.0%		98.0%		99.0%		99.5%		99.9%		99.99%		99.999%		99.9995%	
	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h
N20	153.0	131.9	108.0	93.1	85.1	73.3	72.5	64.8	55.8	48.1	36.9	31.8	19.4	16.7	14.5	12.5
N27	206.6	178.1	145.8	125.7	114.8	99.0	101.5	87.5	75.3	64.9	49.8	42.9	26.1	22.5	19.6	16.9
N35	267.8	230.8	189.0	162.9	148.8	128.3	131.5	113.4	97.7	84.2	64.6	55.7	33.9	29.2	25.4	21.9
N50	382.5	329.7	270.0	232.8	212.6	183.3	187.9	162.0	139.5	120.3	92.3	79.5	48.4	41.7	36.3	31.3
N65	497.3	428.7	351.0	302.6	276.4	238.3	244.2	210.5	181.4	156.3	119.9	103.4	62.9	54.2	47.2	40.7
N80	612.0	527.6	432.0	372.4	340.2	293.3	300.6	259.1	223.2	192.4	147.6	127.2	77.4	66.7	58.1	50.3
N100	765.0	659.5	540.0	465.5	425.3	366.6	375.8	323.9	279.0	240.5	184.5	159.1	96.8	83.4	72.6	62.6
N125	956.3	824.4	675.0	581.9	531.6	458.2	469.7	404.9	348.8	300.6	230.6	198.8	120.9	104.3	90.7	78.2
N150	1147	989.2	810.0	698.3	637.9	549.9	563.6	485.9	418.5	360.8	276.8	238.6	145.1	125.1	108.9	93.8

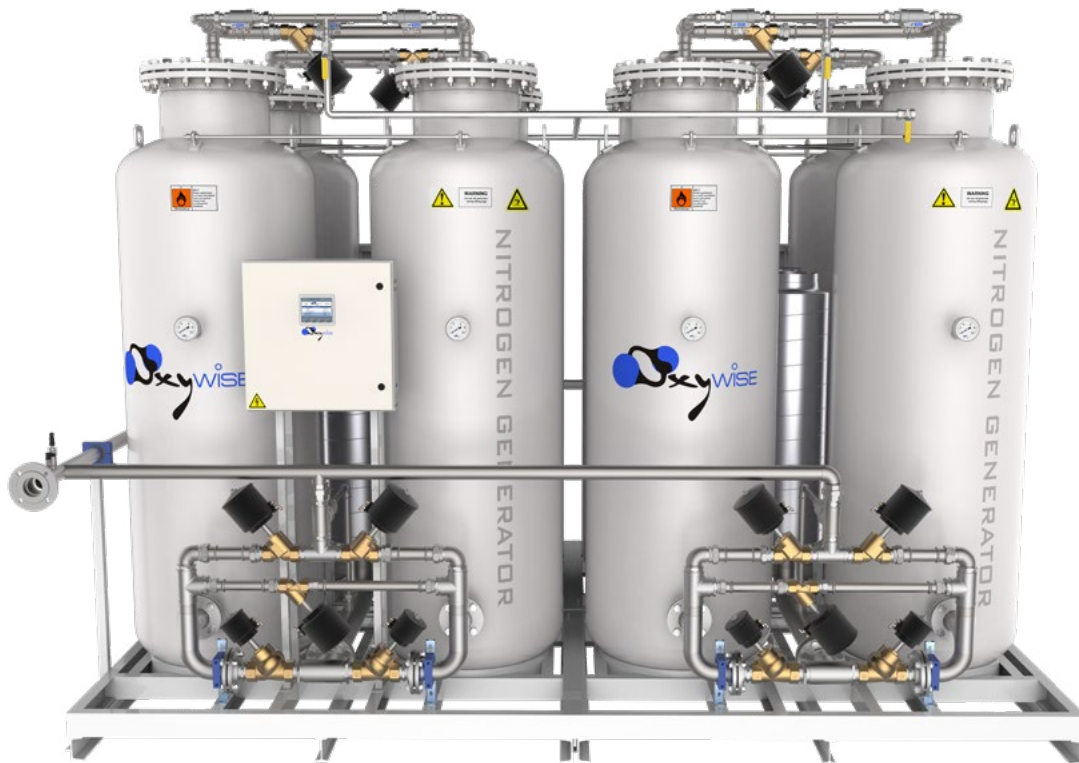
NOTES

- 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

PSA NITROGEN GENERATORS MULTI SEP SERIES

PREMIUM PERFORMANCE

The unique SEP design provides steady high flow rates of nitrogen with minimum footprint requirement. Together with molecular sieve protection from moisture substantially lower the service costs, extends the lifetime and provides savings by avoiding the molecular sieve replacement.



➤ STANDARD FEATURES

- Colour touch screen control
- Built in purity analyser for constant monitoring
- Modbus TCP, Ethernet communication
- Remote start/stop relay
- Data-logging via USB interface
- Mol sieve protection from moisture

+ OPTIONS

- Flow control valve – flow & purity adjustment
- Energy saving valve – reduces compressed air usage during turn down
- Purity control – off spec purge
- Sequential start/stop – one button operation
- SMS alarm

KEY BENEFITS

- CMS anti-crush design
- No channeling effect
- Minimized footprint
- Mol sieve protection
- Siemens based control system
- Stainless steel piping
- Designed for dynamic pressure loading

MODEL	NITROGEN CAPACITY															
	95.0%		98.0%		99.0%		99.5%		99.9%		99.99%		99.999%		99.9995%	
	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h	kg/h	m ³ /h
N80T	1224	1055	864	745	691	587	601	518	447	385	296	255	154	133	116	100
N100T	1530	1319	1080	931	850	733	752	648	558	481	369	318	194	167	145	125
N125T	1913	1649	1350	1164	1064	917	940	810	697	601	462	398	242	209	181	156
N150T	2294	1978	1621	1397	1276	1100	1128	972	838	722	553	477	290	250	218	188
N3080	1836	1583	1296	1117	1021	880	901	777	669	577	443	382	232	200	174	150
N3100	2296	1979	1621	1397	1276	1100	1128	972	838	722	553	477	290	250	218	188
N3125	2869	2473	2025	1746	1595	1375	1409	1215	1046	902	691	596	363	313	273	235
N3150	3443	2968	2430	2095	1914	1650	1691	1458	1255	1082	831	716	435	375	327	282
N4080	2448	2110	1728	1490	1361	1173	1203	1037	893	770	590	509	310	267	232	200
N4100	3060	2638	2160	1862	1701	1466	1503	1296	1116	962	738	636	387	334	290	250
N4125	3825	3297	2700	2328	2126	1833	1879	1620	1395	1203	922	795	484	417	363	313
N4150	4590	3957	3240	2793	2552	2200	2255	1944	1674	1443	1107	954	580	500	435	375
N5080	3060	2638	2160	1862	1702	1467	1503	1296	1116	962	738	636	387	334	290	250
N5100	3826	3298	2700	2328	2126	1833	1879	1620	1395	1203	922	795	484	417	363	313
N5125	4782	4122	3376	2910	2658	2291	2349	2025	1743	1503	1153	994	604	521	454	391
N5150	5737	4946	4051	3492	3190	2750	2819	2430	2093	1804	1384	1193	726	626	544	469

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

TYPICAL APPLICATIONS

- Electronics
- Food packaging
- Laser cutting
- Inerting
- Pharmaceuticals
- Plastics
- Tyre filling

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
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HANA LASER GAS GENERATOR

PREMIUM PERFORMANCE

Self contained laser gas generator with integrated compressed air supply, nitrogen generation & compression with connection to high pressure storage enclosed in weatherproof container specifically tuned for laser cutting application.



STANDARD FEATURES

- Integrated air supply, nitrogen generation & compression
- Control system based on SIEMENS with colored touch screen for outdoors
- Constant purity monitoring
- High purity control - off spec purge
- Molecular sieve protection from moisture
- Audio/visual alarm
- Nitrogen consumption monitoring with data-log
- Modbus TCP, Ethernet connection
- Remote connection via "Smart server"

OPTIONS

- Remote monitoring over teleservice
- SMS alarm & control
- Broader operating temperature range
- Cylinder bundles
- Oil contamination indicator

KEY BENEFITS

- Plug and play
- Minimized footprint
- Weatherproof design
- Optimized for laser cutting application

TECHNICAL DATA

Ambient temperature range	-20°C to -35°C
Nitrogen outlet pressure	3 to 30 barG
Nitrogen storage pressure	300bar
Nitrogen dew point	-70 °Ctd (+/-5°C)
Power supply	400 V / 50 Hz / 3ph
Main fuse	64A
Dimensions & weight	55x67x180cm, 220kg

PERFORMANCE

Model	HANA	N15
Purity (class)	99.995 (4.5)	99.995 (5.0)
Daily capacity kg/24h	473	362
Flow kg/h	19.7	15.1
Flow m³/h	17.0	13.0
Operating costs kwh/kg	0.8	1.0

Performance data is based on 20°C to 30°C ambient temperature. Flow stated in cubic meter (m³) is with ref. conditions, temp.: 20°C, pressure: 1.013 barA

LASER GAS GENERATOR

Make laser cutting more effective with ground breaking innovation and cutting edge PSA Nitrogen gas technology. The LaserGas product line is introduced as a result of our experience in the laser cutting industry. The complete solution is optimized in terms of economy and performance.

The system includes compressed air supply, PSA Nitrogen generator, nitrogen booster with connection to high/ middle pressure storages all specifically tuned for laser cutting.

Nitrogen produced by our generator meets and exceeds cutting gas quality requirements listed below:

- O₂ ≤100 ppm
- CnHm ≤1 ppm
- H₂O ≤5 ppm
- particles ≤0.3 μm, ≤100 ppm)



KEY BENEFITS

- Guaranteed low cost Nitrogen
- Quick return on Investment
- Oxide free Cutting
- Increase In Productivity
- Optimized for Laser-cutting

STANDARD FEATURES

- Control system based on SIEMENS with colored touch screen for outdoors
- Constant purity monitoring
- High purity control - off spec purge
- Molecular sieve protection from moisture
- Audio/visual alarm
- Modbus TCP, Ethernet connection
- Remote connection via "Smart server"

OPTIONS

- Remote monitoring over Teleservice
- SMS alarm & control
- Broader operating temperature range
- Cylinder bundles
- Oil contamination indicator
- Nitrogen consumption monitoring with data-log

Purity 99.995%	Nitrogen capacity		Daily capacity	Power consumption	Specific Power	Storage pressure
Model / high pressure	kg/h	m ³ /h	kg/24h	kW	kWh/kg	Bar
LaserGas N15-300(1)	19.7	17.0	473	15.3	0.78	300
LaserGas N27-300	34.8	30.0	835	25.7	0.74	300
LaserGas N50-300(2)	52.2	45.0	1253	37.3	0.72	300
Model / middle pressure						
LaserGas N20-30	24.4	21.0	585	17.1	0.70	30
LaserGas N35-30	46.4	40.0	1114	28.4	0.61	30
LaserGas N80-30	104.4	90.0	2506	62.1	0.59	30

Performance data is based on 20°C to 30°C ambient temperature,

Flow stated in cubic meter (m³) is with ref. conditions, temp.: 20°C, pressure: 1.013 bar

(1) Adjustable to 99.999% purity(class 5.0), capacity 13m³/h - (2) Adjustable to 99.999% purity, capacity 40m³/h

PSA NITROGEN GENERATORS NITROPORT

PREMIUM PERFORMANCE

The Nitroport PSA generator, produces high quality nitrogen from Pressure Swing Adsorption. The Nitroport is a complete turnkey solution for smaller flows with a minimal footprint. Our generators represent a reliable and cost effective alternative to traditional Nitrogen supplies.

STANDARD FEATURES

- Portable and turnkey
- Low operating costs
- SIEMENS control system with 4" colour touch screen
- Integrated purity analyzer for constant monitoring
- Data-logging via USB interface
- Integrated oil free air compressor, dryer, filters, generator and 10L buffer tank

OPTIONS

- SMS alarm & control
- 7" color display
- Audio/visual alarm
- Filling station

NITROGEN PURITY	
Purity %	Flow l/min
95	60.0
98	40.0
99.5	33.0
99.95	25.0
99.99	15.0
99.995	10.0
99.999	7.0

NOTES

- Performance data is based on 7 barG inlet pressure and 20°C to 30°C ambient temperature
- Flow stated in liter per minute (l/min) with reference conditions, Temperature: 20°C, Pressure: 1.013 barA



OPERATING CONDITIONS

Ambient temperature range	5°C to -40°C
Nitrogen outlet pressure	5 to 6 barG
Nitrogen dew point	-50°C (-70°C)
Power supply	230V / 50Hz
Power	1.5kW
Dimensions & weight	55x67x180cm, 220kg

KEY BENEFITS

- Minimized footprint
- Compact
- Easy to move
- Reliability
- Siemens based control system

COMPLETE AIR & POWER SOLUTIONS

CAPS Australia is a leading provider of power generation, compressed air and gas generation solutions, boasting an extensive portfolio of products and brands.

CAPS delivers products that are suited to Australian operating environments, serving a wide range of industries including mining and resources, agriculture and manufacturing.

WHO IS CAPS AUSTRALIA?

- Over four decades of experience in the Australian market.
- 10 branches reach right around the country with 200 employees.
- 60 service technicians covering the full national footprint with a 24/7 service offering.
- A vast inventory of spare parts.
- An independent company with the flexibility to search globally for the best products and technologies that best serve the Australian market's needs.
- CAPS has world-renowned partner brands such as Ingersoll Rand, AIRMAN, Mitsubishi Generator Series, Sauer, Pedro Gil, Bollfilter, Next Turbo Technologies, Lamson and more.
- Custom design, manufacturing, supply and service.
- Operating under an ISO 9001 accredited quality system.

WHO DO WE SERVE?

- Mining
- Manufacturing
- Industrial
- Commercial
- Data Centres
- Public and private utilities
- Waste & water treatment plants



GLOBAL NETWORKS

BACK BY LOCAL KNOWLEDGE & EXPERIENCE

Founded in Western Australia in 1980, CAPS joined the Ingersoll Rand family in 2024. Ingersoll Rand is a global market leader offering a broad range of innovative and mission-critical air, fluid, energy, and medical technologies, enhancing industrial productivity and efficiency.

By utilising quality products with proven reliability where and when they are needed, CAPS' extensive range of industrial equipment features world-renowned brands and means customers have full access to the latest technology, suited to Australian operating environments.

SOLVING YOUR AIR AND POWER CHALLENGES

Inquiries: 1800 800 878

Service & 24/7 Support: 1800 802 697

Website: caps.com.au

Shop: capsshop.com.au

Email: info@caps.com.au

BRANCH LOCATIONS

PERTH (HEAD OFFICE) | KALGOORLIE | DARWIN | MACKAY | BRISBANE |
NEWCASTLE | SYDNEY | LAUNCESTON | MELBOURNE | ADELAIDE

