



Picture contains additional options

PN 20 N

Nitrogen generator for higher productivity, sustainability and profitability

32.6 CFH (0,001% O₂) – 414.6 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

Site:
Gewerbestrasse 72
82211 Herrsching · Germany

Fon: +49 8152 9097-0
Fax: +49 8152 9097-10
info@inmatec.de

STANDARD

- 9" Touch control panel (TCP)
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 20 N
Dimensions	29.5 x 31.9 x 70.9 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	331 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	414.6	334.0	303.3	222.7	195.8	122.9	49.9	42.2	32.6
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.9	5.5	7.0	10.0
Compressed air CFH ³⁾	787.8	701.4	697.6	579.0	567.8	479.1	274.5	295.6	326.3
Product vessel (US Gallon)	40	40	40	40	40	40	30	30	30
Compressed air vessel (US G.)	40	40	40	40	40	40	40	40	40
Generator inlet air ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Product vessel outlet N ₂ ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Generator outlet N ₂ ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Connection silencer (inch) ⁶⁾	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 59.06 inch + 1 x 90 ° elbow NPS 2 ½". For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.



Picture contains additional options

PN 30 N

Nitrogen generator for higher productivity, sustainability and profitability

49.9 CFH (0,001% O₂) – 633.5 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

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STANDARD

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- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 30 N
Dimensions	29.3 x 31.9 x 65 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	396 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	633.5	514.5	460.7	345.5	295.6	184.3	92.1	69.1	49.9
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.9	5.5	7.0	10.0
Compressed air CFH ³⁾	1,203.6	1,080.4	1,059.6	898.4	857.3	718.7	506.8	483.8	499.1
Product vessel (US Gallon)	40	40	40	40	40	40	30	30	30
Compressed air vessel (US G.)	40	40	40	40	40	40	40	40	40
Generator inlet air ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Product vessel outlet N ₂ ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Generator outlet N ₂ ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Connection silencer (inch) ⁶⁾	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 59.06 inch + 1 x 90 ° elbow NPS 2 ½". For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.



Picture contains additional options

PN 40 N

Nitrogen generator for higher productivity, sustainability and profitability

69.1 CFH (0,001% O₂) – 798.6 CFH (5% O₂)

CONTACT

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GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

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82211 Herrsching · Germany

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STANDARD

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- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
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- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 40 N
Dimensions	29.5 x 31.9 x 70.9 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	617 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	798.6	656.5	606.6	483.8	364.7	241.9	122.9	96.0	69.1
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.9	5.5	7.0	10.0
Compressed air CFH ³⁾	1,517.3	1,378.7	1,395.2	1,257.8	1,057.7	943.3	675.7	671.9	691.1
Product vessel (US Gallon)	80	80	80	40	40	40	30	30	30
Compressed air vessel (US G.)	80	80	80	80	80	80	80	80	80
Generator inlet air ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Product vessel outlet N ₂ ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Generator outlet N ₂ ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Connection silencer (inch) ⁶⁾	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 59.06 inch + 1 x 90 ° elbow NPS 2 ½". For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.



Picture contains additional options

PN 60 N

Nitrogen generator for higher productivity, sustainability and profitability

92.1 CFH (0,001% O₂) – 1,197.9 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

Site:
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82211 Herrsching · Germany

Fon: +49 8152 9097-0
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STANDARD

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- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 60 N
Dimensions	29.5 x 31.9 x 68.7 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	683 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	1,197.9	982.9	909.9	725.6	545.2	364.7	184.3	138.2	92.1
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.9	5.5	7.0	10.0
Compressed air CFH ³⁾	2,275.9	2,064.0	2,092.8	1,886.6	1,581.0	1,422.5	1,013.6	967.5	921.4
Product vessel (US Gallon)	80	80	80	80	80	40	40	40	40
Compressed air vessel (US G.)	80	80	80	80	80	80	80	80	80
Generator inlet air ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Product vessel outlet N ₂ ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Generator outlet N ₂ ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Connection silencer (inch) ⁶⁾	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 59.06 inch + 1 x 90 ° elbow NPS 2 ½". For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.



Picture contains additional options

PN 90 N

Nitrogen generator for higher productivity, sustainability and profitability

122.9 CFH (0,001% O₂) – 1,888.9 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
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33739 Bielefeld · Germany

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STANDARD

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- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 90 N
Dimensions	32.7 x 43.3 x 72.8 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	1,036 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	1,888.9	1,539.6	1,366.8	1,090.4	848.5	483.8	241.9	184.3	122.9
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.9	5.5	7.0	10.0
Compressed air CFH ³⁾	3,589.0	3,233.1	3,143.6	2,834.9	2,460.6	1,886.6	1,330.3	1,290.0	1,228.6
Product vessel (US Gallon)	150	150	150	80	80	80	40	40	40
Compressed air vessel (US G.)	150	150	150	150	150	150	150	150	150
Generator inlet air ⁴⁾	1"	1"	1"	1"	1"	1"	1"	1"	1"
Product vessel outlet N ₂ ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Generator outlet N ₂ ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Connection silencer (inch) ⁶⁾	5	5	5	5	5	5	5	5	5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 59.06 inch + 1 x 90 ° elbow NPS 5". For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.



Picture contains additional options

PN 150 N

Nitrogen generator for higher productivity, sustainability and profitability

222.7 CFH (0,001% O₂) – 3,225.0 CFH (5% O₂)

CONTACT

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- Pressure sensor (N₂ outlet)
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- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 150 N
Dimensions	32.9 x 43.3 x 74.8 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	1,168 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	3,225.0	2,299.7	2,065.5	1,789.1	1,451.3	890.7	449.2	337.9	222.7
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.9	5.5	7.0	10.0
Compressed air CFH ³⁾	6,127.5	4,829.5	4,750.8	4,651.7	4,208.7	3,473.8	2,470.6	2,365.0	2,226.8
Product vessel (US Gallon)	200	200	200	150	150	150	80	80	80
Compressed air vessel (US G.)	300	300	300	200	200	200	150	150	150
Generator inlet air ⁴⁾	1"	1"	1"	1"	1"	1"	1"	1"	1"
Product vessel outlet N ₂ ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Generator outlet N ₂ ⁴⁾	½"	½"	½"	½"	½"	½"	½"	½"	½"
Connection silencer (inch) ⁶⁾	5	5	5	5	5	5	5	5	5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 59.06 inch + 1 x 90 ° elbow NPS 5". For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.



Picture contains additional options

PN 220 N

Nitrogen generator for higher productivity, sustainability and profitability

410.8 CFH (0,001% O₂) – 4,031.3 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

Site:
Gewerbestrasse 72
82211 Herrsching · Germany

Fon: +49 8152 9097-0
Fax: +49 8152 9097-10
info@inmatec.de

STANDARD

- 9" Touch control panel (TCP)
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Energy efficiency control (EEC)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 220 N
Dimensions	32.9 x 43.3 x 81.3 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	1,893 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	4,031.3	3,225.0	2,917.9	2,457.2	1,996.4	1,443.6	906.1	645.0	410.8
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.3	4.6	5.1	6.6
Compressed air CFH ³⁾	7,659.4	6,772.5	6,711.1	6,388.6	5,789.7	4,734.9	4,177.0	3,296.0	2,707.2
Product vessel (US Gallon)	300	300	300	200	200	200	150	150	150
Compressed air vessel (US G.)	400	400	400	200	200	200	150	150	150
Generator inlet air ⁴⁾	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Product vessel outlet N ₂ ⁴⁾	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Generator outlet N ₂ ⁴⁾	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Connection silencer (inch) ⁶⁾	5	5	5	5	5	5	5	5	5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 59.06 inch + 1 x 90 ° elbow NPS 5". For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.



Picture contains additional options

PN 270 N

Nitrogen generator for higher productivity, sustainability and profitability

545.2 CFH (0,001% O₂) – 5,413.4 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

Site:
Gewerbestrasse 72
82211 Herrsching · Germany

Fon: +49 8152 9097-0
Fax: +49 8152 9097-10
info@inmatec.de

STANDARD

- 9" Touch control panel (TCP)
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Energy efficiency control (EEC)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 270 N
Dimensions	33 x 63 x 89.2 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	2,001 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	5,413.4	4,492.0	3,762.5	3,071.4	2,610.7	1,850.5	1,071.2	806.3	545.2
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.3	4.6	5.1	6.6
Compressed air CFH ³⁾	10,285.5	9,433.2	8,653.8	7,985.8	7,571.1	6,069.8	4,938.1	4,120.0	3,592.8
Product vessel (US Gallon)	400	400	400	300	300	300	200	200	200
Compressed air vessel (US G.)	400	400	400	400	400	400	300	300	300
Generator inlet air ⁴⁾	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Product vessel outlet N ₂ ⁴⁾	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Generator outlet N ₂ ⁴⁾	1"	1"	1"	1"	1"	1"	1"	1"	1"
Connection silencer (inch) ⁶⁾	5	5	5	5	5	5	5	5	5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 59.06 inch + 1 x 90 ° elbow NPS 5". For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.



Picture contains additional options

PN 350 N

Nitrogen generator for higher productivity, sustainability and profitability

817.8 CFH (0,001% O₂) – 8,100.9 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

Site:
Gewerbestrasse 72
82211 Herrsching · Germany

Fon: +49 8152 9097-0
Fax: +49 8152 9097-10
info@inmatec.de

STANDARD

- 9" Touch control panel (TCP)
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Energy efficiency control (EEC)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 350 N
Dimensions	33 x 63 x 95.5 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	2,204 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	8,100.9	6,680.4	5,605.4	4,415.2	3,839.3	2,760.5	1,604.8	1,209.4	817.8
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.3	4.6	5.1	6.6
Compressed air CFH ³⁾	15,391.8	14,028.8	12,892.4	11,479.5	11,134.0	9,054.3	7,398.3	6,179.9	5,389.1
Product vessel (US Gallon)	400	400	400	300	300	300	300	300	300
Compressed air vessel (US G.)	600	600	600	600	600	600	400	400	400
Generator inlet air ⁴⁾	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Product vessel outlet N ₂ ⁴⁾	1"	1"	¾"	¾"	½"	½"	½"	½"	½"
Generator outlet N ₂ ⁴⁾	1"	1"	1"	1"	1"	1"	1"	1"	1"
Connection silencer (inch) ⁶⁾	5	5	5	5	5	5	5	5	5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmated directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 19.69 inch + 1 x 90°. Afterwards must be increased from NPS 5" to NPS 10" up to max. 78.74 inch + 1 x 90°, for longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.



Picture contains additional options

PN 500 N

Nitrogen generator for higher productivity, sustainability and profitability

1,017.4 CFH (0,001% O₂) – 9,982.2 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

Site:
Gewerbestrasse 72
82211 Herrsching · Germany

Fon: +49 8152 9097-0
Fax: +49 8152 9097-10
info@inmatec.de

STANDARD

- 9" Touch control panel (TCP)
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Energy efficiency control (EEC)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 500 N
Dimensions	33 x 63 x 96.5 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	3,196 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	9,982.2	8,254.5	7,217.9	5,490.2	4,607.2	3,301.8	1,938.9	1,478.1	1,017.4
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.3	4.6	5.1	6.8
Compressed air CFH ³⁾	18,966.2	17,334.5	16,601.2	14,274.6	13,360.8	10,829.9	8,938.1	7,553.3	6,918.4
Product vessel (US Gallon)	600	600	600	400	400	400	400	400	400
Compressed air vessel (US G.)	800	800	800	800	800	800	600	600	600
Generator inlet air ⁴⁾	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Product vessel outlet N ₂ ⁴⁾	1"	1"	1"	¾"	¾"	¾"	½"	½"	½"
Generator outlet N ₂ ⁴⁾	1"	1"	1"	1"	1"	1"	1"	1"	1"
Connection silencer (inch) ⁶⁾	5	5	5	5	5	5	5	5	5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 19.69 inch + 1 x 90°. Afterwards must be increased from NPS 5" to NPS 10" up to max. 78.74 inch + 1 x 90°, for longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.

Subject to change without notice.

The information in this datasheet contains only general descriptions and performance features, which may differ in specific applications.

Inmtec 10/06/25



Picture contains additional options

PN 750 N

Nitrogen generator for higher productivity, sustainability and profitability

1,458.9 CFH (0,001% O₂) – 14,282.2 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

Site:
Gewerbestrasse 72
82211 Herrsching · Germany

Fon: +49 8152 9097-0
Fax: +49 8152 9097-10
info@inmatec.de

STANDARD

- 9" Touch control panel (TCP)
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Energy efficiency control (EEC)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 750 N
Dimensions	49.6 x 82.7 x 99.2 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	4,601 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	14,282.2	11,825.1	9,598.3	7,909.0	6,526.8	4,914.3	2,844.9	2,150.0	1,458.9
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.3	4.6	5.1	6.8
Compressed air CFH ³⁾	27,136.2	24,832.7	22,076.0	20,563.3	18,927.8	16,119.0	13,115.1	10,986.6	9,920.8
Product vessel (US Gallon)	800	800	800	800	800	800	600	600	600
Compressed air vessel (US G.)	1,200	1,200	1,200	800	800	800	800	800	800
Generator inlet air ⁴⁾	2"	2"	2"	2"	2"	2"	2"	2"	2"
Product vessel outlet N ₂ ⁴⁾	1 ½"	1 ½"	1 ½"	1"	1"	¾"	¾"	½"	½"
Generator outlet N ₂ ⁴⁾	1 ½"	1 ½"	1 ½"	1"	1"	1"	1"	1"	1"
Connection silencer (inch) ⁶⁾	5	5	5	5	5	5	5	5	5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmated directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 19.69 inch + 1 x 90°. Afterwards must be increased from NPS 5" to NPS 10" up to max. 78.74 inch + 1 x 90°, for longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.

Subject to change without notice.

The information in this datasheet contains only general descriptions and performance features, which may differ in specific applications.

Inmated 10/06/25



Picture contains additional options

PN 1000 N

Nitrogen generator for higher productivity, sustainability and profitability

1,727.7 CFH (0,001% O₂) – 16,893.0 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

Site:
Gewerbestrasse 72
82211 Herrsching · Germany

Fon: +49 8152 9097-0
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info@inmatec.de

STANDARD

- 9" Touch control panel (TCP)
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Energy efficiency control (EEC)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 1000 N
Dimensions	49.6 x 82.7 x 111.8 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	5,950 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	16,893.0	14,051.9	12,285.8	9,214.3	7,678.6	5,816.6	3,378.6	2,553.1	1,727.7
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.3	4.6	5.1	6.8
Compressed air CFH ³⁾	32,096.6	29,508.9	28,257.3	23,957.3	22,268.0	19,078.3	15,575.3	13,046.6	11,748.3
Product vessel (US Gallon)	1,500	1,500	1,500	1,200	1,200	1,200	800	800	800
Compressed air vessel (US G.)	2,000	2,000	2,000	1,500	1,500	1,500	1,200	1,200	1,200
Generator inlet air ⁴⁾	2"	2"	2"	2"	2"	2"	2"	2"	2"
Product vessel outlet N ₂ ⁴⁾	1 ½"	1 ½"	1 ½"	1 ½"	1"	1"	¾"	¾"	¾"
Generator outlet N ₂ ⁴⁾	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Connection silencer (inch) ⁶⁾	5	5	5	5	5	5	5	5	5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 19.69 inch + 1 x 90°. Afterwards must be increased from NPS 5" to NPS 10" up to max. 78.74 inch + 1 x 90°, for longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.



Picture contains additional options

PN 1500 N

Nitrogen generator for higher productivity, sustainability and profitability

2,457.2 CFH (0,001% O₂) – 24,187.7 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

Site:
Gewerbestrasse 72
82211 Herrsching · Germany

Fon: +49 8152 9097-0
Fax: +49 8152 9097-10
info@inmatec.de

STANDARD

- 9" Touch control panel (TCP)
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Energy efficiency control (EEC)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 1500 N
Dimensions	52.8 x 86.6 x 116.3 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	8,185 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	24,187.7	20,041.2	17,545.6	13,437.6	10,942.0	8,323.6	4,826.0	3,639.7	2,457.2
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.3	4.6	5.1	6.6
Compressed air CFH ³⁾	45,956.5	42,086.5	40,355.0	34,937.7	31,731.9	27,301.5	22,247.9	18,598.7	16,192.7
Product vessel (US Gallon)	2,000	2,000	2,000	1,500	1,500	1,500	1,200	1,200	1,200
Compressed air vessel (US G.)	2,500	2,500	2,500	2,000	2,000	2,000	2,000	2,000	2,000
Generator inlet air ⁴⁾	2 ½"	2 ½"	2 ½"	2 ½"	2"	2"	2"	2"	2"
Product vessel outlet N ₂ ⁴⁾	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	¾"	¾"	¾"
Generator outlet N ₂ ⁴⁾	2"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Connection silencer (inch) ⁶⁾	5	5	5	5	5	5	5	5	5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 19.69 inch + 1 x 90°. Afterwards must be increased from NPS 5" to NPS 10" up to max. 78.74 inch + 1 x 90°, for longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.

Subject to change without notice.

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Picture contains additional options

PN 2000 N

Nitrogen generator for higher productivity, sustainability and profitability

3,455.4 CFH (0,001% O₂) – 33,018.1 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

Site:
Gewerbestrasse 72
82211 Herrsching · Germany

Fon: +49 8152 9097-0
Fax: +49 8152 9097-10
info@inmatec.de

STANDARD

- 9" Touch control panel (TCP)
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Energy efficiency control (EEC)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 2000 N
Dimensions	69.3 x 88.6 x 118.3 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	9,682 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	33,018.1	28,027.0	24,379.6	18,236.7	15,165.3	11,441.1	6,526.8	4,991.1	3,455.4
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.3	4.6	5.1	6.8
Compressed air CFH ³⁾	62,734.3	58,856.6	56,073.1	47,415.5	43,979.3	37,527.0	30,088.7	25,504.5	23,496.6
Product vessel (US Gallon)	2,500	2,500	2,500	2,000	2,000	2,000	2,000	2,000	2,000
Compressed air vessel (US G.)	3,000	3,000	3,000	2,500	2,500	2,500	2,000	2,000	2,000
Generator inlet air ⁴⁾	2 ½"	2 ½"	2 ½"	2 ½"	2"	2"	2"	2"	2"
Product vessel outlet N ₂ ⁴⁾	2"	2"	2"	1 ½"	1 ½"	1 ½"	1"	1"	1"
Generator outlet N ₂ ⁴⁾	2"	2"	2"	2"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Connection silencer (inch) ⁶⁾	5	5	5	5	5	5	5	5	5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 19.69 inch + 1 x 90°. Afterwards must be increased from NPS 5" to NPS 10" up to max. 78.74 inch + 1 x 90°, for longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.



Picture contains additional options

PN 2500 N

Nitrogen generator for higher productivity, sustainability and profitability

4,300.0 CFH (0,001% O₂) – 40,312.8 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

Site:
Gewerbestrasse 72
82211 Herrsching · Germany

Fon: +49 8152 9097-0
Fax: +49 8152 9097-10
info@inmatec.de

STANDARD

- 9" Touch control panel (TCP)
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Energy efficiency control (EEC)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 2500 N
Dimensions	69.3 x 88.6 x 133.9 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	11,375 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	40,312.8	35,129.7	30,714.5	23,419.8	19,580.5	14,397.4	8,254.5	6,334.9	4,300.0
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.3	4.6	5.1	6.8
Compressed air CFH ³⁾	76,594.2	73,772.4	70,643.3	60,891.5	56,783.4	47,223.5	38,053.3	32,371.1	29,240.2
Product vessel (US Gallon)	3,000	3,000	3,000	2,000	2,000	2,000	1,500	1,500	1,500
Compressed air vessel (US G.)	4,000	4,000	4,000	3,000	3,000	3,000	2,000	2,000	2,000
Generator inlet air ⁴⁾	2 ½"	2 ½"	2 ½"	2 ½"	2 ½"	2"	2"	2"	2"
Product vessel outlet N ₂ ⁴⁾	2"	2"	2"	1 ½"	1 ½"	1 ½"	1"	1"	1"
Generator outlet N ₂ ⁴⁾	2"	2"	2"	2"	2"	1 ½"	1 ½"	1 ½"	1 ½"
Connection silencer (inch) ⁶⁾	5	5	5	5	5	5	5	5	5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 19.69 inch + 1 x 90°. Afterwards must be increased from NPS 5" to NPS 10" up to max. 78.74 inch + 1 x 90°, for longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.

Subject to change without notice.

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Picture contains additional options

PN 3000 N

Nitrogen generator for higher productivity, sustainability and profitability

4,741.3 CFH (0,001% O₂) – 47,413.2 CFH (5% O₂)

CONTACT

INMATEC GaseTechnologie
GmbH & Co. KG
Otto Boge Strasse 1-7
33739 Bielefeld · Germany

Site:
Gewerbestrasse 72
82211 Herrsching · Germany

Fon: +49 8152 9097-0
Fax: +49 8152 9097-10
info@inmatec.de

STANDARD

- 9" Touch control panel (TCP)
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (N₂ outlet)
- Ethernet, Modbus TCP, Remote control
- Alarmmanagement
- Auto restart
- Trend display
- Data storage / Export
- Multilingual
- Operating hours
- Timer

OPTIONS

- Flow meter (outlet)
- Pressure sensor (inlet)
- AutoPure technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Energy efficiency control (EEC)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 3000 N
Dimensions	69.3 x 88.6 x 165 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	13,117 lbs
Noise level	55 - 85 dB (A)
Power supply	110 V - 230 V 50 Hz - 60 Hz
Power consumption	150 W
Protection class	IP 54

COMPRESSED AIR SPECIFICATION (INLET)

Air quality ⁵⁾	1.4.1 (plus activated carbon adsorber) acc. to ISO 8573-1:2010
Inlet temperature	+41°F to +104°F
Design temperature	+77°F
Inlet pressure	≤ 110 psi (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+41°F to +104°F
Seismic	Seismic free zone – special case as request
Explosion zone	In safe area – special case as request

PURITY AND CAPACITY

Nitrogen Purity ²⁾	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Purity / Grade				2.0	2.5	3.0	4.0	4.5	5.0
Residual oxygen content	≤ 5%	≤ 3%	≤ 2%	≤ 1%	≤ 5,000 ppm	≤ 1,000 ppm	≤ 100 ppm	≤ 50 ppm	≤ 10 ppm
Capacity CFH ³⁾	47,413.2	39,447.8	34,516.8	26,551.4	21,620.4	16,310.1	9,482.6	7,130.9	4,741.3
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.3	4.6	5.1	6.8
Compressed air CFH ³⁾	90,085.1	82,840.4	79,388.7	69,033.6	62,699.2	53,497.3	43,715.0	36,439.1	32,241.0
Product vessel (US Gallon)	4,000	4,000	4,000	2,500	2,500	2,500	2,000	2,000	2,000
Compressed air vessel (US G.)	5,000	5,000	5,000	4,000	4,000	4,000	3,000	3,000	3,000
Generator inlet air ⁴⁾	2 ½"	4"	4"	4"	4"	4"	4"	4"	4"
Product vessel outlet N ₂ ⁴⁾	2 ½"	2"	2"	2"	1 ½"	1 ½"	1"	1"	1"
Generator outlet N ₂ ⁴⁾	2"	2"	2"	2"	2"	2"	2"	2"	2"
Connection silencer (inch) ⁶⁾	5	5	5	5	5	5	5	5	5

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmtec directly.

²⁾ The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), argon (0.9%), CO₂ (0.03%), and some trace inert gases. PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

³⁾ Reference conditions for volume 68°F – 14.5 psi – 0% relative humidity, according to ISO 1217. Compressed air requirements may vary by +/- 5%.

⁴⁾ Connections with NPT threads.

⁵⁾ Compressed air specification: Air quality: according to ISO 8573-1:2010, solid particulates and oil according to class 1, humidity according to class 4, pressure dew point ≤ 37,4°F, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 19.69 inch + 1 x 90°. Afterwards must be increased from NPS 5" to NPS 10" up to max. 78.74 inch + 1 x 90°, for longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < 59°F we recommend a dew point of ≤ 14°F.

Subject to change without notice.

The information in this datasheet contains only general descriptions and performance features, which may differ in specific applications.

Inmtec 10/06/25