



Picture contains additional options

PN 20

Nitrogen generator for higher productivity, sustainability and profitability

0.85 Nm³/h (0,001% O₂) – 10.80 Nm³/h (5% O₂)

CONTACT

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STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	750 x 810 x 1,800 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	150 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	10.80	8.70	7.90	5.80	5.10	3.20	1.30	1.10	0.85
Capacity m ³ /h ⁴⁾	11.7	9.5	8.6	6.3	5.5	3.5	1.4	1.2	0.9
Compressed air factor	1.90	2.10	2.30	2.60	2.90	3.90	5.50	7.00	10.00
Compressed air Nm ³ /h ³⁾	20.52	18.27	18.17	15.08	14.79	12.48	7.15	7.70	8.50
Compressed air m ³ /h ⁴⁾	22.31	19.86	19.75	16.39	16.08	13.57	7.77	8.37	9.24
Product vessel (l)	150	150	150	150	150	150	90	90	90
Compressed air vessel (l)	150	150	150	150	150	150	150	150	150
Generator inlet air	½"	½"	½"	½"	½"	½"	½"	½"	½"
Product vessel outlet N ₂	½"	½"	½"	½"	½"	½"	½"	½"	½"
Generator outlet N ₂	½"	½"	½"	½"	½"	½"	½"	½"	½"
Connection silencer ⁶⁾	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 30

Nitrogen generator for higher productivity, sustainability and profitability

1.30 Nm³/h (0,001% O₂) – 16.50 Nm³/h (5% O₂)

CONTACT

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STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	745 x 810 x 1,650 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	180 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	16.5	13.4	12	9	7.7	4.8	2.4	1.8	1.3
Capacity m ³ /h ⁴⁾	17.9	14.6	13.0	9.8	8.4	5.2	2.6	2.0	1.4
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.9	5.5	7	10
Compressed air Nm ³ /h ³⁾	31.35	28.14	27.60	23.40	22.33	18.72	13.20	12.60	13.00
Compressed air m ³ /h ⁴⁾	34.08	30.59	30.01	25.44	24.28	20.35	14.35	13.70	14.13
Product vessel (l)	150	150	150	150	150	150	90	90	90
Compressed air vessel (l)	150	150	150	150	150	150	150	150	150
Generator inlet air	½"	½"	½"	½"	½"	½"	½"	½"	½"
Product vessel outlet N ₂	½"	½"	½"	½"	½"	½"	½"	½"	½"
Generator outlet N ₂	½"	½"	½"	½"	½"	½"	½"	½"	½"
Connection silencer ⁶⁾	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 40

Nitrogen generator for higher productivity, sustainability and profitability

1.80 Nm³/h (0,001% O₂) – 20.80 Nm³/h (5% O₂)

CONTACT

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STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	745 x 810 x 1,650 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	280 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	20.8	17.1	15.8	12.6	9.5	6.3	3.2	2.5	1.8
Capacity m ³ /h ⁴⁾	22.6	18.6	17.2	13.7	10.3	6.8	3.5	2.7	2.0
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.9	5.5	7	10
Compressed air Nm ³ /h ³⁾	39.52	35.91	36.34	32.76	27.55	24.57	17.60	17.50	18.00
Compressed air m ³ /h ⁴⁾	42.97	39.04	39.51	35.62	29.95	26.71	19.13	19.03	19.57
Product vessel (l)	250	250	250	150	150	150	90	90	90
Compressed air vessel (l)	250	250	250	250	250	250	250	250	250
Generator inlet air	½"	½"	½"	½"	½"	½"	½"	½"	½"
Product vessel outlet N ₂	½"	½"	½"	½"	½"	½"	½"	½"	½"
Generator outlet N ₂	½"	½"	½"	½"	½"	½"	½"	½"	½"
Connection silencer ⁶⁾	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 60

Nitrogen generator for higher productivity, sustainability and profitability

2.40 Nm³/h (0,001% O₂) – 31.20 Nm³/h (5% O₂)

CONTACT

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STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	745 x 810 x 1,745 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	310 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	31.2	25.6	23.7	18.9	14.2	9.5	4.8	3.6	2.4
Capacity m ³ /h ⁴⁾	33.9	27.8	25.8	20.5	15.4	10.3	5.2	3.9	2.6
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.9	5.5	7	10
Compressed air Nm ³ /h ³⁾	59.28	53.76	54.51	49.14	41.18	37.05	26.40	25.20	24.00
Compressed air m ³ /h ⁴⁾	64.45	58.45	59.26	53.42	44.77	40.28	28.70	27.40	26.09
Product vessel (l)	250	250	250	250	250	150	150	150	150
Compressed air vessel (l)	250	250	250	250	250	250	250	250	250
Generator inlet air	½"	½"	½"	½"	½"	½"	½"	½"	½"
Product vessel outlet N ₂	½"	½"	½"	½"	½"	½"	½"	½"	½"
Generator outlet N ₂	½"	½"	½"	½"	½"	½"	½"	½"	½"
Connection silencer ⁶⁾	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63	DN 63

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 90

Nitrogen generator for higher productivity, sustainability and profitability

3.20 Nm³/h (0,001% O₂) – 49.20 Nm³/h (5% O₂)

CONTACT

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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 sensor (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
Dimensions	830 x 1,100 x 1,850 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	470 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	49.2	40.1	35.6	28.4	22.1	12.6	6.3	4.8	3.2
Capacity m ³ /h ⁴⁾	53.5	43.6	38.7	30.9	24.0	13.7	6.8	5.2	3.5
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.9	5.5	7	10
Compressed air Nm ³ /h ³⁾	93.48	84.21	81.88	73.84	64.09	49.14	34.65	33.60	32.00
Compressed air m ³ /h ⁴⁾	101.63	91.55	89.02	80.28	69.68	53.42	37.67	36.53	34.79
Product vessel (l)	500	500	500	250	250	250	150	150	150
Compressed air vessel (l)	500	500	500	500	500	500	500	500	500
Generator inlet air	1"	1"	1"	1"	1"	1"	1"	1"	1"
Product vessel outlet N ₂	½"	½"	½"	½"	½"	½"	½"	½"	½"
Generator outlet N ₂	½"	½"	½"	½"	½"	½"	½"	½"	½"
Connection silencer ⁶⁾	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 150

Nitrogen generator for higher productivity, sustainability and profitability

5.80 Nm³/h (0,001% O₂) – 84.00 Nm³/h (5% O₂)

CONTACT

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STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (outlet)
- Pressure Sensor (inlet)
- AutoPure Technology
- Temperature sensor (Inlet)
- Inlet dew point sensor
- Energy efficiency control (EEC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote Control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PN 150
Dimensions	835 x 1,100 x 1,900 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	530 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	84	59.9	53.8	46.6	37.8	23.2	11.7	8.8	5.8
Capacity m ³ /h ⁴⁾	91	65.1	58.5	50.7	41.1	25.2	12.7	9.6	6.3
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.9	5.5	7	10
Compressed air Nm ³ /h ³⁾	159.60	125.79	123.74	121.16	109.62	90.48	64.35	61.60	58.00
Compressed air m ³ /h ⁴⁾	173.51	136.76	134.53	131.72	119.18	98.37	69.96	66.97	63.06
Product vessel (l)	750	750	750	500	500	500	250	250	250
Compressed air vessel (l)	1,000	1,000	1,000	750	750	750	500	500	500
Generator inlet air	1"	1"	1"	1"	1"	1"	1"	1"	1"
Product vessel outlet N ₂	½"	½"	½"	½"	½"	½"	½"	½"	½"
Generator outlet N ₂	½"	½"	½"	½"	½"	½"	½"	½"	½"
Connection silencer ⁶⁾	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 220

Nitrogen generator for higher productivity, sustainability and profitability

10.70 Nm³/h (0,001% O₂) – 105.00 Nm³/h (5% O₂)

CONTACT

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STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	835 x 1,100 x 2,065 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	859 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	105	84	76	64	52	37.6	23.6	16.8	10.7
Capacity m ³ /h ⁴⁾	114	91	83	70	57	40.9	25.7	18.3	11.6
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.28	4.61	5.11	6.59
Compressed air Nm ³ /h ³⁾	199.50	176.40	174.80	166.40	150.80	123.33	108.80	85.85	70.51
Compressed air m ³ /h ⁴⁾	216.89	191.78	190.04	180.91	163.95	134.08	118.28	93.33	76.66
Product vessel (l)	1,000	1,000	1,000	750	750	750	500	500	500
Compressed air vessel (l)	1,500	1,500	1,500	1,000	1,000	1,000	1,000	1,000	1,000
Generator inlet air	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Product vessel outlet N ₂	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Generator outlet N ₂	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Connection silencer ⁶⁾	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 270

Nitrogen generator for higher productivity, sustainability and profitability

14.30 Nm³/h (0,001% O₂) – 141.00 Nm³/h (5% O₂)

CONTACT

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STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	840 x 1,600 x 2,265 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	908 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	141	117	98	80	68	48.2	27.9	21	14.2
Capacity m ³ /h ⁴⁾	153	127	107	87	74	52.4	30.3	22.8	15.4
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.28	4.61	5.11	6.59
Compressed air Nm ³ /h ³⁾	267.90	245.70	225.40	208.00	197.20	158.10	128.62	107.31	93.58
Compressed air m ³ /h ⁴⁾	291.25	267.12	245.05	226.13	214.39	171.88	139.83	116.66	101.74
Product vessel (l)	1,500	1,500	1,500	1,000	1,000	1,000	750	750	750
Compressed air vessel (l)	1,500	1,500	1,500	1,500	1,500	1,500	1,000	1,000	1,000
Generator inlet air	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Product vessel outlet N ₂	¾"	¾"	¾"	¾"	½"	½"	½"	½"	½"
Generator outlet N ₂	1"	1"	1"	1"	¾"	¾"	¾"	¾"	¾"
Connection silencer ⁶⁾	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 350

Nitrogen generator for higher productivity, sustainability and profitability

21.30 Nm³/h (0,001% O₂) – 211.00 Nm³/h (5% O₂)

CONTACT

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STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	840 x 1,600 x 2,425 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	1,000 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	211	174	146	115	100	71.9	41.8	31.5	21.3
Capacity m ³ /h ⁴⁾	229	189	159	125	109	78.2	45.4	34.2	23.2
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.28	4.61	5.11	6.59
Compressed air Nm ³ /h ³⁾	400.90	365.40	335.80	299.00	290.00	235.83	192.70	160.97	140.37
Compressed air m ³ /h ⁴⁾	435.85	397.25	365.07	325.06	315.28	256.39	209.50	175.00	152.60
Product vessel (l)	1,500	1,500	1,500	1,000	1,000	1,000	1,000	1,000	1,000
Compressed air vessel (l)	2,000	2,000	2,000	2,000	2,000	2,000	1,500	1,500	1,500
Generator inlet air	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Product vessel outlet N ₂	1"	1"	¾"	¾"	½"	½"	½"	½"	½"
Generator outlet N ₂	1"	1"	1"	1"	1"	1"	1"	1"	1"
Connection silencer ⁶⁾	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 500

Nitrogen generator for higher productivity, sustainability and profitability

26.50 Nm³/h (0,001% O₂) – 260.00 Nm³/h (5% O₂)

CONTACT

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STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	840 x 1,600 x 2,450 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	1,450 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	260	215	188	143	120	86	50.5	38.5	26.5
Capacity m ³ /h ⁴⁾	283	234	204	155	130	93	54.9	41.9	28.8
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.28	4.61	5.11	6.8
Compressed air Nm ³ /h ³⁾	494.00	451.50	432.40	371.80	348.00	282.08	232.81	196.74	180.20
Compressed air m ³ /h ⁴⁾	537.06	490.86	470.09	404.21	378.34	306.67	253.10	213.88	195.91
Product vessel (l)	2,000	2,000	2,000	1,500	1,500	1,500	1,500	1,500	1,500
Compressed air vessel (l)	3,000	3,000	3,000	3,000	3,000	3,000	2,000	2,000	2,000
Generator inlet air	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Product vessel outlet N ₂	1"	1"	1"	¾"	¾"	¾"	½"	½"	½"
Generator outlet N ₂	1"	1"	1"	1"	1"	1"	1"	1"	1"
Connection silencer ⁶⁾	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 750

Nitrogen generator for higher productivity, sustainability and profitability

38.00 Nm³/h (0,001% O₂) – 372.00 Nm³/h (5% O₂)

CONTACT

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STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	1,260 x 2,100 x 2,520 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	2,087 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	372	308	250	206	170	128	74.1	56	38
Capacity m ³ /h ⁴⁾	404	335	272	224	185	139	81	61	41
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.28	4.61	5.11	6.8
Compressed air Nm ³ /h ³⁾	706.80	646.80	575.00	535.60	493.00	419.84	341.60	286.16	258.40
Compressed air m ³ /h ⁴⁾	768.41	703.18	625.12	582.29	535.98	456.44	371.38	311.11	280.93
Product vessel (l)	3,000	3,000	3,000	2,500	2,500	2,500	2,000	2,000	2,000
Compressed air vessel (l)	4,000	4,000	4,000	3,000	3,000	3,000	2,500	2,500	2,500
Generator inlet air	2"	2"	2"	2"	2"	2"	2"	2"	2"
Product vessel outlet N ₂	1 ¼"	1 ¼"	1 ¼"	1"	1"	¾"	¾"	½"	½"
Generator outlet N ₂	1 ¼"	1 ¼"	1 ¼"	1"	1"	1"	1"	1"	1"
Connection silencer ⁶⁾	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 1000

Nitrogen generator for higher productivity, sustainability and profitability

45.00 Nm³/h (0,001% O₂) – 440.00 Nm³/h (5% O₂)

CONTACT

INMATEC GaseTechnologie
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Otto Boge Strasse 1-7
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Fon: +49 8152 9097-0
Fax: +49 8152 9097-10
info@inmatec.de

STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	1,260 x 2,100 x 2,840 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	2,699 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	440	366	320	240	200	151.5	88	66.5	45
Capacity m ³ /h ⁴⁾	478	398	348	261	217	165	96	72	49
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.28	4.61	5.11	6.8
Compressed air Nm ³ /h ³⁾	836.00	768.60	736.00	624.00	580.00	496.92	405.68	339.82	306.00
Compressed air m ³ /h ⁴⁾	908.88	835.60	800.16	678.40	630.56	540.24	441.04	369.44	332.67
Product vessel (l)	5,000	5,000	5,000	4,000	4,000	4,000	2,500	2,500	2,500
Compressed air vessel (l)	6,000	6,000	6,000	5,000	5,000	5,000	4,000	4,000	4,000
Generator inlet air	2"	2"	2"	2"	2"	2"	2"	2"	2"
Product vessel outlet N ₂	1 ½"	1 ¼"	1 ¼"	1 ¼"	1"	1"	¾"	¾"	¾"
Generator outlet N ₂	1 ½"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Connection silencer ⁶⁾	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 1500

Nitrogen generator for higher productivity, sustainability and profitability

64.00 Nm³/h (0,001% O₂) – 630.00 Nm³/h (5% O₂)

CONTACT

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STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	1,340 x 2,200 x 2,955 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	3,713 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	630	522	457	350	285	216.8	125.7	94.8	64
Capacity m ³ /h ⁴⁾	685	568	497	381	310	236	137	103	70
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.28	4.61	5.11	6.59
Compressed air Nm ³ /h ³⁾	1,197.00	1,096.20	1,051.10	910.00	826.50	711.10	579.48	484.43	421.76
Compressed air m ³ /h ⁴⁾	1,301.34	1,191.76	1,142.73	989.33	898.55	773.09	629.99	526.66	458.53
Product vessel (l)	7,000	7,000	7,000	5,000	5,000	5,000	4,000	4,000	4,000
Compressed air vessel (l)	8,000	8,000	8,000	7,000	7,000	7,000	6,000	6,000	6,000
Generator inlet air	2 ½"	2 ½"	2 ½"	2 ½"	2"	2"	2"	2"	2"
Product vessel outlet N ₂	1 ½"	1 ½"	1 ½"	1 ¼"	1 ¼"	1 ¼"	¾"	¾"	¾"
Generator outlet N ₂	2"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Connection silencer ⁶⁾	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 2000

Nitrogen generator for higher productivity, sustainability and profitability

90.00 Nm³/h (0,001% O₂) – 860.00 Nm³/h (5% O₂)

CONTACT

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info@inmatec.de

STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	1,760 x 2,250 x 3,005 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	4,392 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	860	730	635	475	395	298	170	130	90
Capacity m ³ /h ⁴⁾	935	794	690	516	429	324	185	141	98
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.28	4.61	5.11	6.8
Compressed air Nm ³ /h ³⁾	1,634.00	1,533.00	1,460.50	1,235.00	1,145.50	977.44	783.70	664.30	612.00
Compressed air m ³ /h ⁴⁾	1,776.44	1,666.63	1,587.81	1,342.66	1,245.36	1,062.65	852.02	722.21	665.35
Product vessel (l)	9,000	9,000	9,000	6,000	6,000	6,000	5,000	5,000	5,000
Compressed air vessel (l)	11,000	11,000	11,000	9,000	9,000	9,000	7,000	7,000	7,000
Generator inlet air	2 ½"	2 ½"	2 ½"	2 ½"	2"	2"	2"	2"	2"
Product vessel outlet N ₂	2"	2"	2"	1 ½"	1 ½"	1 ½"	1"	1"	1"
Generator outlet N ₂	2"	2"	2"	2"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Connection silencer ⁶⁾	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 2500

Nitrogen generator for higher productivity, sustainability and profitability

112.00 Nm³/h (0,001% O₂) – 1,050.00 Nm³/h (5% O₂)

CONTACT

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STANDARD

- 9" Touch Control Panel
- Oxygen analysis (Zirconium oxide sensor)
- Flow regulator (N₂)
- 2x Inlet filter (Pre- & Micro 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 sensor (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
Dimensions	1,760 x 2,250 x 3,400 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	5.160 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	1,050	915	800	610	510	375	215	165	112
Capacity m ³ /h ⁴⁾	1,142	995	870	663	554	408	234	179	122
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.28	4.61	5.11	6.8
Compressed air Nm ³ /h ³⁾	1,995.00	1,921.50	1,840.00	1,586.00	1,479.00	1,230.00	991.15	843.15	761.60
Compressed air m ³ /h ⁴⁾	2,168.9	2,089.0	2,000.4	1,724.3	1,607.9	1,337.2	1,077.6	916.6	828.0
Product vessel (l)	12,000	12,000	12,000	8,000	8,000	8,000	6,000	6,000	6,000
Compressed air vessel (l)	14,000	14,000	14,000	12,000	12,000	12,000	8,000	8,000	8,000
Generator inlet air	2 ½"	2 ½"	2 ½"	2 ½"	2 ½"	2"	2"	2"	2"
Product vessel outlet N ₂	2"	2"	2"	1 ½"	1 ½"	1 ½"	1"	1"	1"
Generator outlet N ₂	2"	2"	2"	2"	2"	1 ½"	1 ½"	1 ½"	1 ½"
Connection silencer ⁶⁾	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.



Picture contains additional options

PN 3000

Nitrogen generator for higher productivity, sustainability and profitability

125.00 Nm³/h (0,001% O₂) – 1,250.00 Nm³/h (5% O₂)

CONTACT

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STANDARD

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- Alarmmanagement
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- Trend Display
- Data Storage / Export
- Multilingual
- Operating Hours
- Timer

OPTIONS

- Flow sensor (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
Dimensions	1,760 x 2,250 x 4,190 mm (L x W x H)
Design pressure	11 bar (g)
Operating pressure ¹⁾	7 bar (g)
Net weight	5,950 kg
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	+5°C to +40°C
Design temperature	+25°C
Inlet pressure	≤ 7 bar (g) continuous

AMBIENT CONDITIONS

Ambient temperature ⁷⁾	+5 °C to +40 °C
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 Nm ³ /h ³⁾	1,250	1,040	910	700	570	430	250	188	125
Capacity m ³ /h ⁴⁾	1,359	1,131	989	761	620	467	272	204	136
Compressed air factor	1.9	2.1	2.3	2.6	2.9	3.28	4.61	5.11	6.8
Compressed air Nm ³ /h ³⁾	2,375.00	2,184.00	2,093.00	1,820.00	1,653.00	1,410.40	1,152.50	960.68	850.00
Compressed air m ³ /h ⁴⁾	2,582.0	2,374.4	2,275.5	1,978.7	1,797.1	1,533.3	1,253.0	1,044.4	924.1
Product vessel (l)	14,000	14,000	14,000	9,000	9,000	9,000	7,000	7,000	7,000
Compressed air vessel (l)	17,000	17,000	17,000	14,000	14,000	14,000	11,000	11,000	11,000
Generator inlet air	2 ½"	4"	4"	4"	4"	4"	4"	4"	4"
Product vessel outlet N ₂	2 ½"	2"	2"	2"	1 ½"	1 ½"	1"	1"	1"
Generator outlet N ₂	2"	2"	2"	2"	2"	2"	2"	2"	2"
Connection silencer ⁶⁾	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

¹⁾ Standard operating pressure. For higher pressure requirements please contact Inmatec 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 0°C – 1,013 bar(a) – 0% relative humidity, according to DIN1343.

⁴⁾ Reference conditions for volume 20°C – 1 bar(a) – 0% relative humidity, according to ISO 1217.

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 ≤ +3 °C, free of all contaminations and free of ozone.

⁶⁾ Connection silencer only valid for up to 1.50 m + 1 x 90 ° elbow (DN 63). For longer distance bigger diameters might be necessary.

⁷⁾ With ambient temperatures compressed air < +15°C we recommend a dew point of ≤ -10°C.