



Picture contains additional options

PO 20 N

Oxygen generator for higher productivity, sustainability and profitability

38.4 CFH (95%) – 46.1 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 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	352 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	46.07	42.23	38.39
Compressed air factor	14.00	15.27	16.80
Compressed air CFH ³⁾	645.0	644.9	645.0
Product vessel (US Gallon)	40	40	40
Compressed air vessel (US Gal)	40	40	40
Generator inlet air ⁴⁾	½"	½"	½"
Product vessel outlet O ₂ ⁴⁾	½"	½"	½"
Generator outlet O ₂ ⁴⁾	½"	½"	½"
Connection silencer (inch) ⁶⁾	2.5	2.5	2.5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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 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

PO 40 N

Oxygen generator for higher productivity, sustainability and profitability

76.8 CFH (95%) – 96.0 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 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	639 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	95.98	88.30	76.79
Compressed air factor	12.25	12.78	14.70
Compressed air CFH ³⁾	1,175.8	1,128.5	1,128.8
Product vessel (US Gallon)	40	40	40
Compressed air vessel (US Gal)	40	40	40
Generator inlet air ⁴⁾	½"	½"	½"
Product vessel outlet O ₂ ⁴⁾	½"	½"	½"
Generator outlet O ₂ ⁴⁾	½"	½"	½"
Connection silencer (inch) ⁶⁾	2.5	2.5	2.5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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 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

PO 60 N

Oxygen generator for higher productivity, sustainability and profitability

115.2 CFH (95%) – 138.2 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 60 N
Dimensions	29.5 x 31.9 x 68.3 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	705 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	138.22	126.70	115.18
Compressed air factor	10.50	11.45	12.60
Compressed air CFH ³⁾	1,451.3	1,450.7	1,451.3
Product vessel (US Gallon)	75	75	75
Compressed air vessel (US Gal)	75	75	75
Generator inlet air ⁴⁾	½"	½"	½"
Product vessel outlet O ₂ ⁴⁾	½"	½"	½"
Generator outlet O ₂ ⁴⁾	½"	½"	½"
Connection silencer (inch) ⁶⁾	2.5	2.5	2.5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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 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

PO 90 N

Oxygen generator for higher productivity, sustainability and profitability

165.1 CFH (95%) – 207.3 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 90 N
Dimensions	32.7 x 43.3 x 72.3 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	1080 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	207.32	191.97	165.09
Compressed air factor	10.11	10.92	12.70
Compressed air CFH ³⁾	2,096.0	2,096.3	2,096.6
Product vessel (US Gallon)	75	75	75
Compressed air vessel (US Gal)	75	75	75
Generator inlet air ⁴⁾	1"	1"	1"
Product vessel outlet O ₂ ⁴⁾	½"	½"	½"
Generator outlet O ₂ ⁴⁾	½"	½"	½"
Connection silencer (inch) ⁶⁾	5	5	5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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 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

PO 150 N

Oxygen generator for higher productivity, sustainability and profitability

257.2 CFH (95%) – 299.5 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 150 N
Dimensions	32.7 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	1,212 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	299.47	276.43	257.23
Compressed air factor	12.17	13.19	14.17
Compressed air CFH ³⁾	3,644.5	3,646.1	3,645.0
Product vessel (US Gallon)	75	75	75
Compressed air vessel (US Gal)	125	125	125
Generator inlet air ⁴⁾	1"	1"	1"
Product vessel outlet O ₂ ⁴⁾	½"	½"	½"
Generator outlet O ₂ ⁴⁾	½"	½"	½"
Connection silencer (inch) ⁶⁾	5	5	5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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 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

PO 220 N

Oxygen generator for higher productivity, sustainability and profitability

288.0 CFH (95%) – 345.5 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 220 N
Dimensions	32.9 x 43.3 x 78.7 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	102 psi (g)
Net weight	1,940 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	345.54	322.50	287.95
Compressed air factor	10.00	11.00	11.50
Compressed air CFH ³⁾	3,455.4	3,547.5	3,311.4
Product vessel (US Gallon)	125	125	125
Compressed air vessel (US Gal)	200	200	200
Generator inlet air ⁴⁾	1"	1"	1"
Product vessel outlet O ₂ ⁴⁾	½"	½"	½"
Generator outlet O ₂ ⁴⁾	¾"	¾"	¾"
Connection silencer (inch) ⁶⁾	5	5	5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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 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

PO 270 N

Oxygen generator for higher productivity, sustainability and profitability

383.9 CFH (95%) – 460.8 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 270 N
Dimensions	33.3 x 63 x 89.2 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	2,050 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	460.72	422.32	383.93
Compressed air factor	10.00	11.00	11.50
Compressed air CFH ³⁾	4,607.2	4,645.6	4,415.2
Product vessel (US Gallon)	125	125	125
Compressed air vessel (US Gal)	200	200	200
Generator inlet air ⁴⁾	1"	1"	1"
Product vessel outlet O ₂ ⁴⁾	½"	½"	½"
Generator outlet O ₂ ⁴⁾	¾"	¾"	¾"
Connection silencer (inch) ⁶⁾	5	5	5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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 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

PO 350 N

Oxygen generator for higher productivity, sustainability and profitability

460.7 CFH (95%) – 556.7 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 350 N
Dimensions	33.3 x 63 x 85 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	2.270 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	556.70	506.79	460.72
Compressed air factor	10.00	11.00	11.50
Compressed air CFH ³⁾	5,567.0	5,574.7	5,298.2
Product vessel (US Gallon)	200	200	200
Compressed air vessel (US Gal)	250	250	250
Generator inlet air ⁴⁾	1½"	1½"	1½"
Product vessel outlet O ₂ ⁴⁾	½"	½"	½"
Generator outlet O ₂ ⁴⁾	1"	1"	1"
Connection silencer (inch) ⁶⁾	5	5	5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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

PO 500 N

Oxygen generator for higher productivity, sustainability and profitability

595.1 CFH (95%) – 710.3 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 500 N
Dimensions	33 x 63 x 92.5 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	3,064 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	710.27	645.00	595.09
Compressed air factor	10.00	11.00	11.50
Compressed air CFH ³⁾	7102.7	7095.0	6843.6
Product vessel (US Gallon)	250	250	250
Compressed air vessel (US Gal)	400	400	400
Generator inlet air ⁴⁾	1½"	1½"	1½"
Product vessel outlet O ₂ ⁴⁾	½"	½"	½"
Generator outlet O ₂ ⁴⁾	1"	1"	1"
Connection silencer (inch) ⁶⁾	5	5	5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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

PO 750 N

Oxygen generator for higher productivity, sustainability and profitability

929.1 CFH (95%) – 1124.9 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 750 N
Dimensions	49.6 x 82.7 x 95.2 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	4,762 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	1,124.92	1,021.26	929.11
Compressed air factor	10.00	11.00	11.50
Compressed air CFH ³⁾	11,249.2	11,233.8	10,684.8
Product vessel (US Gallon)	400	400	400
Compressed air vessel (US Gal)	500	500	500
Generator inlet air ⁴⁾	1½"	1½"	1½"
Product vessel outlet O ₂ ⁴⁾	½"	½"	½"
Generator outlet O ₂ ⁴⁾	1"	1"	1"
Connection silencer (inch) ⁶⁾	5	5	5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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

PO 1000 N

Oxygen generator for higher productivity, sustainability and profitability

1190.2 CFH (95%) – 1382.2 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 1000 N
Dimensions	49.6 x 82.7 x 109.3 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	6,173 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	1,382.15	1,305.37	1,190.19
Compressed air factor	10.00	11.00	11.50
Compressed air CFH ³⁾	13,821.5	14,359.0	13,687.1
Product vessel (US Gallon)	500	500	500
Compressed air vessel (US Gal)	800	800	800
Generator inlet air ⁴⁾	1½"	1½"	1½"
Product vessel outlet O ₂ ⁴⁾	½"	½"	½"
Generator outlet O ₂ ⁴⁾	1"	1"	1"
Connection silencer (inch) ⁶⁾	5	5	5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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

PO 1500 N

Oxygen generator for higher productivity, sustainability and profitability

1727.7 CFH (95%) – 2073.2 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 1500 N
Dimensions	52.8 x 86.6 x 113.9 inch (L x W x H)
Design pressure	160 psi (g)
Operating pressure ¹⁾	100 psi (g)
Net weight	8,377 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	2,073.23	1,919.66	1,727.69
Compressed air factor	10.00	11.00	11.50
Compressed air CFH ³⁾	20,732.3	21,116.2	19,868.4
Product vessel (US Gallon)	600	600	600
Compressed air vessel (US Gal)	1,000	1,000	1,000
Generator inlet air ⁴⁾	2"	2"	2"
Product vessel outlet O ₂ ⁴⁾	½"	½"	½"
Generator outlet O ₂ ⁴⁾	1¼"	1¼"	1¼"
Connection silencer (inch) ⁶⁾	5	5	5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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

PO 2000 N

Oxygen generator for higher productivity, sustainability and profitability

2342.0 CFH (95%) – 2841.1 CFH (90%)

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 (O₂)
- 2x Inlet filter (Micro- & Activated carbon filter)
- 1x Outlet filter (Pre filter)
- In- & outlet pressure regulator
- Pressure sensor (O₂ 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)
- Pressure dew point sensor (inlet)
- Base load control (BLC)
- Profinet
- Modbus RTU
- Potential-free outputs
- Analogue in- / outputs
- Digital in- / outputs
- Remote control (BOGE connect)

TECHNICAL SPECIFICATIONS

Generator	PO 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	1,0031 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

Oxygen Purity (+/- 1%) ²⁾	90 %	93 %	95 %
Capacity CFH ³⁾	2,841.09	2,572.34	2,341.98
Compressed air factor	10,00	11,00	11.50
Compressed air CFH ³⁾	28,410.9	28,295.7	2,6932.8
Product vessel (US Gallon)	1,000	1,000	1,000
Compressed air vessel (US Gal)	1,500	1,500	1,500
Generator inlet air ⁴⁾	2"	2"	2"
Product vessel outlet O ₂ ⁴⁾	¾"	¾"	¾"
Generator outlet O ₂ ⁴⁾	1½"	1½"	1½"
Connection silencer (inch) ⁶⁾	5	5	5

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

²⁾ The oxygen 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. Oxygen PSA Generators separates nitrogen 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.