

MODULAR PSA NITROGEN GENERATORS

NIMOS D6

Performance at inlet pressure: **7,5 bar (g)**

	LP					HP				
Nitrogen purity rate	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow m³/h ⁽¹⁾ FND	174,4	139,5	119,8	95,5	78,1	51,2	43,0	28,8	24,3	16,3
Feed Air m³/h FAD	350,7	305,3	280,3	250,6	230,2	197,5	186,5	166,2	160,1	158,1

(1) Flow rates at standard atmospheric conditions (20°C/1000 mbar/0% RH) - Nitrogen outlet pressure 6bar(g) - Performance data ± 5%

Performance at inlet pressure: **9,5 bar (g)**

	LP					HP				
Nitrogen purity rate	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow m³/h ⁽¹⁾ FND	209,2	167,3	143,6	114,5	93,7	61,4	51,6	34,6	29,1	19,5
Feed Air m³/h FAD	427,4	372,0	341,5	305,4	280,4	240,6	227,3	202,5	195,1	192,6

(1) Flow rates at standard atmospheric conditions (20°C/1000 mbar/0% RH) - Nitrogen outlet pressure 6bar(g) - Performance data ± 5%

Feed Air Requirements

Quality:	Class 1-4-1 ISO 8573.1 Solid < 0,1 µm Dew point < +3°C Oil < 0,01 mg/m ³
Pressure:	6 - 10 bar (g)
Temperature:	+5..... +45°C

⁽²⁾ Dew point at atmospheric pressure.

⁽³⁾ Necessary for guarantee performance of the nitrogen generator (integrated).

Nitrogen Specifications

Outlet pressure:	0-9 bar(g)
Dew point: ⁽²⁾	< 40°C
Nitrogen process tank: ⁽³⁾	720 lt

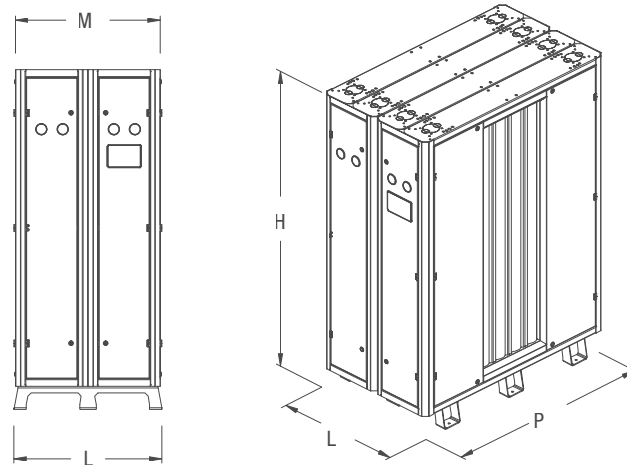
Power Requirements

Power Supply:	230 V / 50 - 60 Hz
Power Consumption:	max. 0,5 kW



Dimensions & Weight

M:	880 mm
L:	900 mm
P:	1550 mm
H:	2070 mm
Weight:	1150 kg



Connections

Air inlet:	G1½"
N ₂ outlet:	G1"
N ₂ to process tank:	G1½"
N ₂ from process tank:	G1"
O ₂ enriched air outlet:	2 x G3"

STANDARD EQUIPMENT AND OPTIONS

- = standard equipment
- = option

Control panel

4 line display	●
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Purity monitoring and control

O ₂ Electrochemical Sensor 0-25 %	○
O ₂ Zirconium Sensor 0-25 %	○
O ₂ Zirconium Sensor 10-1000 ppm	○
Dew point sensor with indication on display	○
Flow meter with indication on display	○

Valves and accessories

Back pressure control valve kit	○
Compressed air pressure sensor	●
Nitrogen buffer pressure sensor	●
Process tank pressure sensor	●
Exhaust silencer	●
Super exhaust silencer extern mounted	○

Logging and data handling

Analog output 4-20mA (O ₂ level)	●
Modbus RTU	●
Modbus RS485/USB serial converter	○
Profibus connection convert	○
Canbus connection convert	○
Ewon (webserver + sms alarm + data logging)	○
Digital remote control	●
Extern alarm digital input	●

Necessary accessory

Process tank with all accessories	720 lt
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MODULAR PSA NITROGEN GENERATORS

NIMOS D7

Performance at inlet pressure: **7,5 bar (g)**

	LP					HP				
Nitrogen purity rate	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow m³/h ⁽¹⁾ FND	202,7	162,1	139,2	110,9	90,8	59,5	50,0	33,5	28,2	18,9
Feed Air m³/h FAD	409,2	356,2	327,0	292,4	268,5	230,4	217,6	193,9	186,8	184,4

(1) Flow rates at standard atmospheric conditions (20°C/1000 mbar/0% RH) - Nitrogen outlet pressure 6bar(g) - Performance data ± 5%

Performance at inlet pressure: **9,5 bar (g)**

	LP					HP				
Nitrogen purity rate	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow m³/h ⁽¹⁾ FND	243,1	194,4	166,9	133,0	108,9	71,4	60,0	40,2	33,8	22,7
Feed Air m³/h FAD	498,6	434,0	398,4	356,3	327,2	280,7	265,2	236,2	227,6	224,7

(1) Flow rates at standard atmospheric conditions (20°C/1000 mbar/0% RH) - Nitrogen outlet pressure 6bar(g) - Performance data ± 5%

Feed Air Requirements

Quality:	Class 1-4-1 ISO 8573.1 Solid < 0,1 µm Dew point < +3°C Oil < 0,01 mg/m ³
Pressure:	6 - 10 bar (g)
Temperature:	+5..... +45°C

⁽²⁾ Dew point at atmospheric pressure.

⁽³⁾ Necessary for guarantee performance of the nitrogen generator (integrated).

Nitrogen Specifications

Outlet pressure:	0-9 bar(g)
Dew point: ⁽²⁾	< 40°C
Nitrogen process tank: ⁽³⁾	720 lt

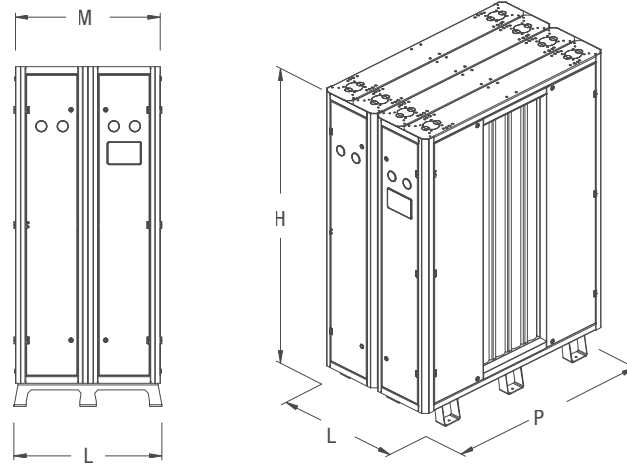
Power Requirements

Power Supply:	230 V / 50 - 60 Hz
Power Consumption:	max. 0,5 kW



Dimensions & Weight

M:	880 mm
L:	900 mm
P:	1550 mm
H:	2070 mm
Weight:	1300 kg



Connections

Air inlet:	G1½"
N ₂ outlet:	G1"
N ₂ to process tank:	G1½"
N ₂ from process tank:	G1"
O ₂ enriched air outlet:	2 x G3"

STANDARD EQUIPMENT AND OPTIONS

- = standard equipment
- = option

Control panel

4 line display	●
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Purity monitoring and control

O ₂ Electrochemical Sensor 0-25 %	○
O ₂ Zirconium Sensor 0-25 %	○
O ₂ Zirconium Sensor 10-1000 ppm	○
Dew point sensor with indication on display	○
Flow meter with indication on display	○

Valves and accessories

Back pressure control valve kit	○
Compressed air pressure sensor	●
Nitrogen buffer pressure sensor	●
Process tank pressure sensor	●
Exhaust silencer	●
Super exhaust silencer extern mounted	○

Logging and data handling

Analog output 4-20mA (O ₂ level)	●
Modbus RTU	●
Modbus RS485/USB serial converter	○
Profibus connection convert	○
Canbus connection convert	○
Ewon (webserver + sms alarm + data logging)	○
Digital remote control	●
Extern alarm digital input	●

Necessary accessory

Process tank with all accessories	720 lt
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MODULAR PSA NITROGEN GENERATORS

NIMOS D8

Performance at inlet pressure: **7,5 bar (g)**

	LP					HP				
Nitrogen purity rate	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow m³/h ⁽¹⁾ FND	230,7	184,5	158,4	126,3	103,4	67,8	56,9	38,1	32,1	21,5
Feed Air m³/h FAD	467,6	407,0	373,7	334,2	306,9	263,3	248,7	221,6	213,5	210,7

(1) Flow rates at standard atmospheric conditions (20°C/1000 mbar/0% RH) - Nitrogen outlet pressure 6bar(g) - Performance data ± 5%

Performance at inlet pressure: **9,5 bar (g)**

	LP					HP				
Nitrogen purity rate	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow m³/h ⁽¹⁾ FND	276,7	221,3	190,0	151,4	124,0	81,3	68,3	45,7	38,5	25,8
Feed Air m³/h FAD	569,8	496,0	455,4	407,2	373,9	320,8	303,1	270,0	260,1	256,8

(1) Flow rates at standard atmospheric conditions (20°C/1000 mbar/0% RH) - Nitrogen outlet pressure 6bar(g) - Performance data ± 5%

Feed Air Requirements

Quality:	Class 1-4-1 ISO 8573.1 Solid < 0,1 µm Dew point < +3°C Oil < 0,01 mg/m ³
Pressure:	6 - 10 bar (g)
Temperature:	0..... +45°C

⁽²⁾Dew point at atmospheric pressure.

⁽³⁾ Necessary for guarantee performance of the nitrogen generator.

Nitrogen Specifications

Outlet pressure:	0-9 bar(g)
Dew point: ⁽²⁾	< 40°C
Nitrogen process tank: ⁽³⁾	720 lt

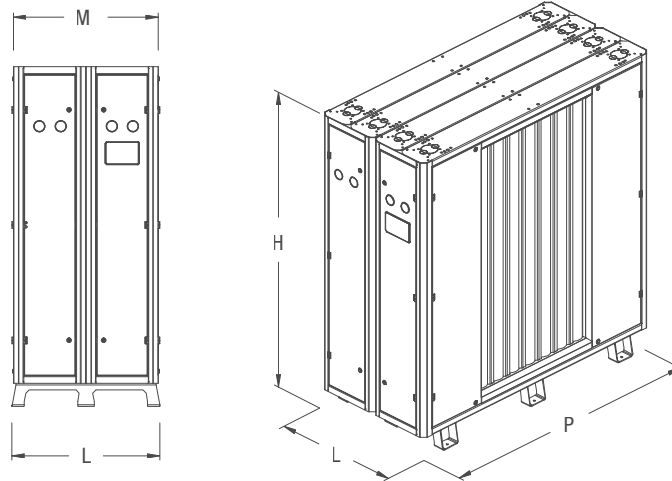
Power Requirements

Power Supply:	230 V / 50 - 60 Hz
Power Consumption:	max. 0,5 kW



Dimensions & Weight

M:	880 mm
L:	900 mm
P:	1950 mm
H:	2070 mm
Weight:	1500 kg



Connections

Air inlet:	G1½"
N ₂ outlet:	G1"
N ₂ to process tank:	G1½"
N ₂ from process tank:	G1"
O ₂ enriched air outlet:	2 x G3"

STANDARD EQUIPMENT AND OPTIONS

- = standard equipment
- = option

Control panel

4 line display	●
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Purity monitoring and control

O ₂ Electrochemical Sensor 0-25 %	○
O ₂ Zirconium Sensor 0-25 %	○
O ₂ Zirconium Sensor 10-1000 ppm	○
Dew point sensor with indication on display	○
Flow meter with indication on display	○

Valves and accessories

Back pressure control valve kit	○
Compressed air pressure sensor	●
Nitrogen buffer pressure sensor	●
Process tank pressure sensor	●
Exhaust silencer	●
Super exhaust silencer extern mounted	○

Logging and data handling

Analog output 4-20mA (O ₂ level)	●
Modbus RTU	●
Modbus RS485/USB serial converter	○
Profibus connection convert	○
Canbus connection convert	○
Ewon (webservice + sms alarm + data logging)	○
Digital remote control	●
Extern alarm digital input	●

Necessary accessory

Process tank with all accessories	720 lt
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MODULAR PSA NITROGEN GENERATORS

NIMOS D9

Performance at inlet pressure: **7,5 bar (g)**

	LP					HP				
Nitrogen purity rate	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow m³/h ⁽¹⁾ FND	258,5	206,7	177,5	141,5	115,8	75,9	63,8	42,7	36,0	24,1
Feed Air m³/h FAD	526,1	457,9	420,4	376,0	345,2	296,2	279,8	249,3	240,1	237,1

(1) Flow rates at standard atmospheric conditions (20°C/1000 mbar/0% RH) - Nitrogen outlet pressure 6bar(g) - Performance data ± 5%

Performance at inlet pressure: **9,5 bar (g)**

	LP					HP				
Nitrogen purity rate	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow m³/h ⁽¹⁾ FND	310,0	247,9	212,9	169,7	138,9	91,1	76,5	51,2	43,1	28,9
Feed Air m³/h FAD	641,0	558,0	512,3	458,1	420,6	360,9	340,9	303,7	292,6	288,9

(1) Flow rates at standard atmospheric conditions (20°C/1000 mbar/0% RH) - Nitrogen outlet pressure 6bar(g) - Performance data ± 5%

Feed Air Requirements

Quality:	Class 1-4-1 ISO 8573.1 Solid < 0,1 µm Dew point < +3°C Oil < 0,01 mg/m ³
Pressure:	6 - 10 bar (g)
Temperature:	+5..... +45°C

⁽²⁾ Dew point at atmospheric pressure.

⁽³⁾ Necessary for guarantee performance of the nitrogen generator.

Nitrogen Specifications

Outlet pressure:	0-9 bar(g)
Dew point: ⁽²⁾	< 40°C
Nitrogen process tank: ⁽³⁾	720 lt

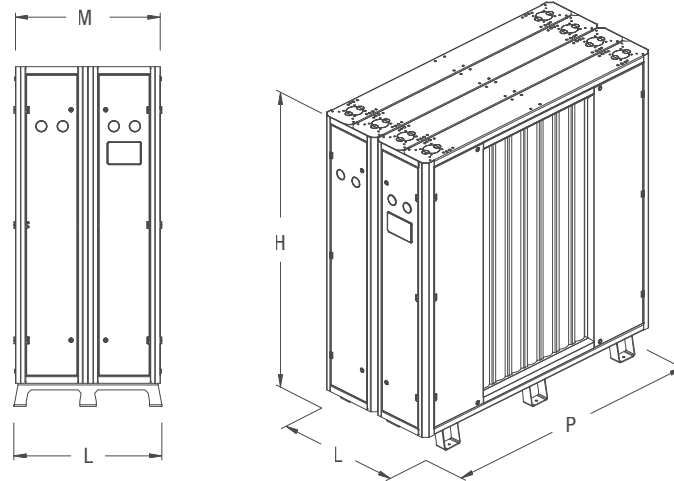
Power Requirements

Power Supply:	230 V / 50 - 60 Hz
Power Consumption:	max. 0,5 kW



Dimensions & Weight

M:	880 mm
L:	900 mm
P:	1950 mm
H:	2070 mm
Weight:	1650 kg



Connections

Air inlet:	G1½"
N ₂ outlet:	G1"
N ₂ to process tank:	G1½"
N ₂ from process tank:	G1"
O ₂ enriched air outlet:	2 x G3"

STANDARD EQUIPMENT AND OPTIONS

- = standard equipment
- = option

Control panel

4 line display	●
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Purity monitoring and control

O ₂ Electrochemical Sensor 0-25 %	○
O ₂ Zirconium Sensor 0-25 %	○
O ₂ Zirconium Sensor 10-1000 ppm	○
Dew point sensor with indication on display	○
Flow meter with indication on display	○

Valves and accessories

Back pressure control valve kit	○
Compressed air pressure sensor	●
Nitrogen buffer pressure sensor	●
Process tank pressure sensor	●
Exhaust silencer	●
Super exhaust silencer extern mounted	○

Logging and data handling

Analog output 4-20mA (O ₂ level)	●
Modbus RTU	●
Modbus RS485/USB serial converter	○
Profibus connection convert	○
Canbus connection convert	○
Ewon (webservice + sms alarm + data logging)	○
Digital remote control	●
Extern alarm digital input	●

Necessary accessory

Process tank with all accessories	720 lt
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MODULAR PSA NITROGEN GENERATORS

NIMOS D10

Performance at inlet pressure: **7,5 bar (g)**

	LP					HP				
Nitrogen purity rate	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow m³/h ⁽¹⁾ FND	286,0	228,8	196,4	156,6	128,1	84,0	70,6	47,3	39,8	26,7
Feed Air m³/h FAD	584,6	508,8	467,1	417,7	383,6	329,1	310,9	277,0	266,8	263,4

(1) Flow rates at standard atmospheric conditions (20°C/1000 mbar/0% RH) - Nitrogen outlet pressure 6bar(g) - Performance data ± 5%

Performance at inlet pressure: **9,5 bar (g)**

	LP					HP				
Nitrogen purity rate	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow m³/h ⁽¹⁾ FND	343,0	274,4	235,5	187,8	153,7	100,8	84,6	56,7	47,7	32,0
Feed Air m³/h FAD	712,3	620,0	569,2	509,0	467,4	401,0	378,8	337,5	325,1	321,0

(1) Flow rates at standard atmospheric conditions (20°C/1000 mbar/0% RH) - Nitrogen outlet pressure 6bar(g) - Performance data ± 5%

Feed Air Requirements

Quality:	Class 1-4-1 ISO 8573.1 Solid < 0,1 µm Dew point < +3°C Oil < 0,01 mg/m ³
Pressure:	6 - 10 bar (g)
Temperature:	+5..... +45°C

⁽²⁾ Dew point at atmospheric pressure.

⁽³⁾ Necessary for guarantee performance of the nitrogen generator.

Nitrogen Specifications

Outlet pressure:	0-9 bar(g)
Dew point: ⁽²⁾	< 40°C
Nitrogen process tank: ⁽³⁾	720 lt

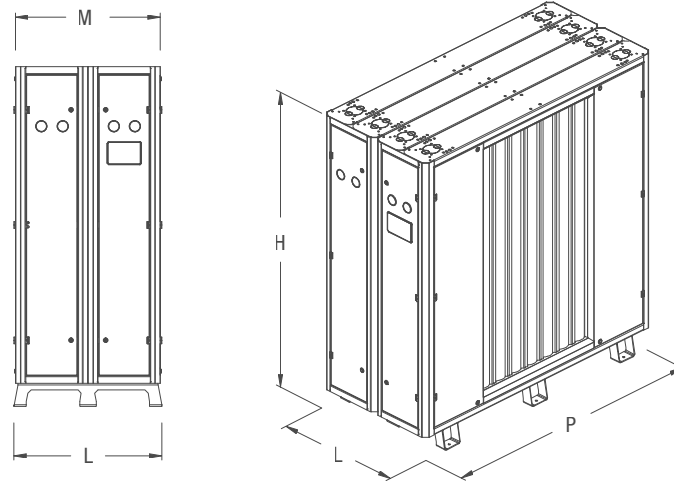
Power Requirements

Power Supply:	230 V / 50 - 60 Hz
Power Consumption:	max. 0,5 kW



Dimensions & Weight

M:	880 mm
L:	900 mm
P:	1950 mm
H:	2070 mm
Weight:	1800 kg



Connections

Air inlet:	G1½"
N ₂ outlet:	G1"
N ₂ to process tank:	G1½"
N ₂ from process tank:	G1"
O ₂ enriched air outlet:	2 x G3"

STANDARD EQUIPMENT AND OPTIONS

- = standard equipment
- = option

Control panel

4 line display	●
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Purity monitoring and control

O ₂ Electrochemical Sensor 0-25 %	○
O ₂ Zirconium Sensor 0-25 %	○
O ₂ Zirconium Sensor 10-1000 ppm	○
Dew point sensor with indication on display	○
Flow meter with indication on display	○

Valves and accessories

Back pressure control valve kit	○
Compressed air pressure sensor	●
Nitrogen buffer pressure sensor	●
Process tank pressure sensor	●
Exhaust silencer	●
Super exhaust silencer extern mounted	○

Logging and data handling

Analog output 4-20mA (O ₂ level)	●
Modbus RTU	●
Modbus RS485/USB serial converter	○
Profibus connection convert	○
Canbus connection convert	○
Ewon (webserver + sms alarm + data logging)	○
Digital remote control	●
Extern alarm digital input	●

Necessary accessory

Process tank with all accessories	720 lt
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