

# MODULAR PSA NITROGEN GENERATORS

## NIMOS NM4

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

	LP					HP				
<b>Nitrogen purity rate</b>	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
<b>Residual oxygen</b>	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
<b>Flow m<sup>3</sup>/h <sup>(1)</sup> FND</b>	<b>29,4</b>	<b>23,2</b>	<b>20,0</b>	<b>17,5</b>	<b>14,7</b>	<b>10,4</b>	<b>8,0</b>	<b>5,6</b>	<b>4,4</b>	<b>3,7</b>
<b>Feed Air m<sup>3</sup>/h FAD</b>	59,6	52,9	49,6	46,9	43,9	38,2	36,1	34,6	33,3	32,9

(1) Flow rates at standard atmospheric conditions (20°C/1000 mbar/0% RH)

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

	LP					HP				
<b>Nitrogen purity rate</b>	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
<b>Residual oxygen</b>	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
<b>Flow m<sup>3</sup>/h <sup>(1)</sup> FND</b>	<b>35,7</b>	<b>27,8</b>	<b>23,9</b>	<b>20,5</b>	<b>17,4</b>	<b>13,1</b>	<b>10,1</b>	<b>7,0</b>	<b>5,5</b>	<b>3,9</b>
<b>Feed Air m<sup>3</sup>/h FAD</b>	73,6	64,0	59,2	55,0	51,5	55,1	52,0	42,0	40,4	40,0

(1) Flow rates at standard atmospheric conditions (20°C/1000 mbar/0% RH)

### Feed Air Requirements

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

<sup>(2)</sup> Dew point at atmospheric pressure.

<sup>(3)</sup> Necessary for guarantee performance of the nitrogen generator.

### Nitrogen Specifications

Outlet pressure:	0-9 bar(g)
Dew point: <sup>(2)</sup>	< 40°C
Nitrogen process tank: <sup>(3)</sup>	25 lt

### Power Requirements

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



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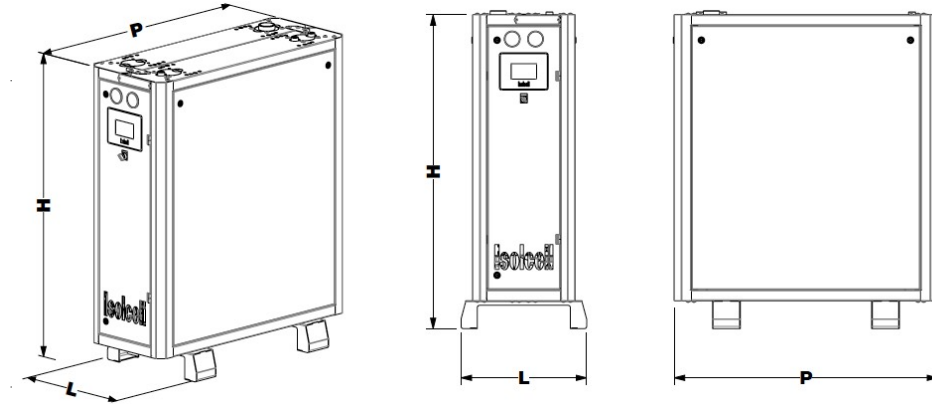
## NIMOS NM4

### Dimensions & Weight

L:	540 mm
P:	1133 mm
H:	1346 mm
Weight:	300 kg

### Connections

Air inlet:	G½"
N <sub>2</sub> outlet:	G½"
O <sub>2</sub> enriched air outlet:	G2"



### STANDARD EQUIPMENT AND OPTIONS

- = standard equipment
- = option

#### Control panel

4 line display	●
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#### Purity monitoring and control

O <sub>2</sub> Electrochemical Sensor 0-25 %	○
O <sub>2</sub> Zirconium Sensor 0-25 %	○
O <sub>2</sub> 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 <sub>2</sub> level)	●
Modbus RTU	●
Modbus RS485/USB serial converter	○
Profibus connection convert	○
Canbus connection convert	○
Webserver	○
Digital remote control	●
Extern alarm digital input	●

#### Necessary accessory

Process tank (Integrated)	●
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