

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/m³
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

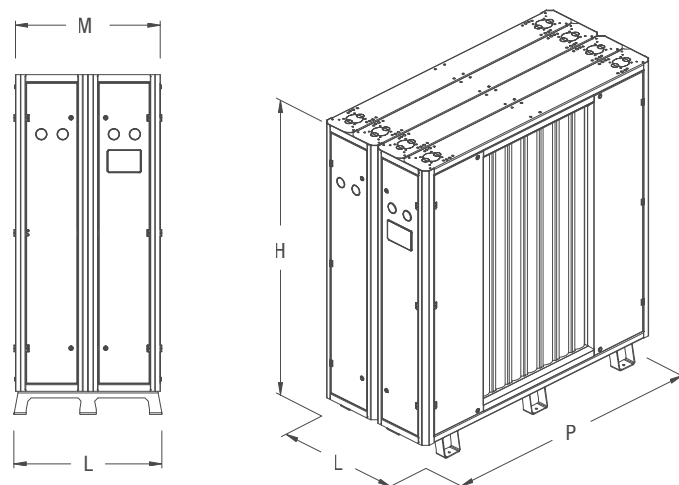


Dimensions & Weight

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	●
----------------	---

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
-----------------------------------	--------

