

MODULAR PSA NITROGEN GENERATORS

NIMOS S10

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 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow nm³/h ⁽¹⁾	145,9	116,7	100,2	79,9	65,4	42,9	36,0	24,1	20,3	13,6
Feed Air nm³/h	292,3	254,4	233,6	208,9	191,8	164,6	155,5	138,5	133,4	131,7

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

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 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow nm³/h ⁽¹⁾	175,0	140,0	120,2	95,8	78,4	51,4	43,2	28,9	24,3	16,3
Feed Air nm³/h	356,1	310,0	284,6	254,5	233,7	200,5	189,4	168,7	162,6	160,5

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

⁽²⁾ Increased compressor flow rate in order to compensate evt. Compressor performance tolerance and ambient temperature fluctuations.

⁽³⁾ Dew point at atmospheric pressure.

⁽⁴⁾ Necessary for guarantee performance of the nitrogen generator (integrated).

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
Compressor Fad Flow rate: ⁽²⁾	1,2 X Air Cons.

Nitrogen Specifications

Outlet pressure:	0-9 bar(g)
Dew point: ⁽³⁾	< 40°C
Nitrogen process tank: ⁽⁴⁾	500 lt

Power Requirements

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



