

MODULAR PSA NITROGEN GENERATORS

NIMOS S4

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 nm³/h ⁽¹⁾	57,7	46,1	39,6	31,6	25,8	16,9	14,2	9,5	8,0	5,4
Feed Air nm³/h	116,9	101,8	93,4	83,5	76,7	65,8	62,2	55,4	53,4	52,7

(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 %	99,999 %
Residual oxygen	5 %	3 %	2 %	1 %	0,5 %	0,1 %	500 PPM	100 PPM	50 PPM	10 PPM
Flow nm³/h ⁽¹⁾	69,2	55,3	47,5	37,9	31,0	20,3	17,1	11,4	9,6	6,5
Feed Air nm³/h	142,4	124,0	113,8	101,7	93,4	79,9	75,2	65,8	62,1	54,4

(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⁾	270 lt

Power Requirements

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



