

# ONSITE IS OUR WORLD



Generator	PNC 9100
Item No.	1009700546
Dimensions	840x1600x2265 LxWxH (mm)
Design pressure	11 bar
Operating pressure	7 bar
Net weight	908 kg
Noise level	55 max 85 dB (A)
Ambient temperature	+5 to +40 °C
Electrical connection	230V 50Hz 110V 60 Hz
Power consumption	150 W
Protection class	54 IP
Inlet Filtration	0,01 micron
Inlet Filtration (Active carbon filter)	0,003 micron
Outlet Filtration	3 to 5 micron
Temperature *	20 °C
Above Sea Level *	0 m
Pressure *	1,0133 bar
Humidity *	70 %



\* Consult Inmatec for performance under other specific conditions

Nitrogen Purity	95 %	97 %	98 %	99 %	99,5 %	99,9 %	99,99 %	99,995 %	99,999 %
Capacity Nm <sup>3</sup> /h	141,00	117,00	98,00	80,00	68,00	48,20	27,90	21,00	14,20
Compressed air factor	1,90	2,10	2,30	2,60	2,90	3,28	4,61	5,11	6,59
Compressed air Nm <sup>3</sup> /h	267,90	245,70	225,40	208,00	197,20	158,10	128,62	107,31	93,58
Compressed air m <sup>3</sup> /h *	292,22	268,00	245,86	226,88	215,10	172,45	140,29	117,05	102,07
Product vessel (l)	1.500	1.500	1.500	1.000	1.000	1.000	750	750	750
Compressed air vessel (l)	1.500	1.500	1.500	1.500	1.500	1.500	1.000	1.000	1.000
Compressed air inlet	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Connection N <sub>2</sub> output	1"	1"	1"	½"	½"	½"	½"	½"	½"
Connection Silencer	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125	DN 125

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content.

The nitrogen content is calculated by subtracting the residual oxygen content from 100 %.

Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO<sub>2</sub> (0.03 %), and some trace inert gases.

Compressed air specification

Dew point +3 °C, Air quality: according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)

Touch Control Panel	Standard	Option
Standard	Standard	Option
Oxygen Analyser	Remote Control	Dew Point Outlet
Outlet Pressure	Trend Display	Profinet
Inlet Pressure	Alarm via E-Mail	Analog Outputs
Inlet Temperature	Multilingual	Basic Load Change
Dew Point Inlet	Data Storage	
Flow	Data Export	
Modbus TCP and Ethernet	Purity Selection	
Auto Restart	Operating Hours	
Automatic Pure Technology	Timer	

