

NITROGEN GENERATOR

IMT PNC OnGo

NEW



PNC **ONGO** - THE MOST EFFICIENT
BASIS VERSION IN THE
N₂ SELF-SUPPLY

The INMATEC PNC OnGo nitrogen generators supply nitrogen with a purity of up to 5.0 / 10 ppm (residual oxygen) and in quantities of 10,7 - 1.424,8 Nm³/h.

The PNC OnGo basis version is appropriate for applications with medium capacities.

PERMANENT N₂ SUPPLY

PROCESS:

The IMT PNC OnGo uses PSA (Pressure Swing Adsorption) to separate the nitrogen molecules from the oxygen molecules. This generates a constant stream of high-quality N₂.

The PNC process increases the efficiency and saves costs for energy due to the latest Flow Technique and an Innovative Rotator Engineering! This enables the system to generate more nitrogen while needing less compressed air.

ONSITE IS OUR WORLD

ADVANTAGES:

- Plug and Play: Easy and Constant N₂ Self Supply
- Constant Measurement of the N₂ Purity and the Outlet Pressure
- Low-Maintenance, Compact Design
- Easy to Use with Touch Control Panel S
- Highest Efficiency



Options:

- Redundant
- Modular Extension
- Filtration
- Flow Measurement
- Pressure Dew Point Sensor
- Inlet Pressure Sensor
- Temperature Sensor





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Compressed Air Specifications

Temperature Range: +5° C to +50° C

Air Quality: ISO 8573.1, Class 1: Dirt and Oil, Class 4: Water

Pressure Dew Point: +3° C

Ambient Conditions

Temperature Range: +5° C to +40° C

Technical Data

Electric Supply: 230 V / 50 Hz (110 V / 60 Hz)

Power Consumption: 150 W

Protection Class: IP 54

Noise Level: From 55 to max. 78 dB(A)

Operating Pressure: Up to 11 bar (Standard: 7 bar)



ISO 9001:2015

Certified quality management system in accordance with ISO 9001:2015.

Capacity (Nm³/h)

Nitrogen Content Quality	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Residual O ₂ (PPM)				2.0	2.5	3.0	4.0	4.5	5.0
						1,000	100	50	10
IMT PNC OnGo 9000	122,1	104,9	93,6	71,7	58,4	37,6	23,6	16,8	10,7
IMT PNC OnGo 9100	145,6	127,6	108,1	87,5	73,0	48,2	27,9	21,0	14,2
IMT PNC OnGo 9200	219,4	191,7	161,1	129,8	109,5	71,9	41,8	31,5	21,3
IMT PNC OnGo 9300	270,8	236,8	206,8	161,4	135,1	91,3	50,5	38,5	26,5
IMT PNC OnGo 9400	387,7	339,5	296,8	232,3	193,5	128,0	74,1	56,0	38,0
IMT PNC OnGo 9500	459,6	402,6	352,3	276,2	230,0	151,5	88,0	66,5	45,0
IMT PNC OnGo 9600	655,2	528,1	503,5	393,5	328,5	216,8	125,7	94,8	64,0
IMT PNC OnGo 9700	950,0	831,6	727,6	569,0	474,6	312,9	181,0	137,0	93,0
IMT PNC OnGo 9800	1.187,3	1.039,5	910,0	711,2	608,3	391,6	226,7	171,3	116,0
IMT PNC OnGo 9900	1.424,8	1.247,4	1.091,5	853,5	730,1	470,2	272,5	206,2	140,0