

NITROGEN GENERATOR

IMT PN OnGo

ONGO – YOUR FIRST STEP INTO SELF-SUFFICIENT N₂ SUPPLY

The INMATEC OnGo nitrogen technology supplies nitrogen with a purity of up to 5,0 / 10 ppm (residual oxygen) and in quantities of 0.4 - 1,370 Nm³/h.

PERMANENT N₂ SUPPLY

PROCESS:

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

ADVANTAGES:

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

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Options:

- Redundant
- Load Sequencing Control
- Modular Extension

Sensors:

- Flow Measurement
- Pressure Dew Point
- Inlet Pressure
- Temperature





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

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 Residual O ₂ (PPM)	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
				2.0	2.5	3.0	4.0	4.5	5.0
						1,000	100	50	10
IMT PN OnGo 1150	5.7	4.7	4.1	3.2	2.6	1.6	0.9	0.7	0.4
IMT PN OnGo 1250	10.8	8.7	7.9	5.8	5.1	3.2	1.3	1.1	0.9
IMT PN OnGo 1280	16.5	13.4	12.0	9.0	7.7	4.8	2.4	1.8	1.3
IMT PN OnGo 1350	20.8	17.1	15.8	12.6	9.5	6.3	3.2	2.5	1.8
IMT PN OnGo 1450	31.2	25.6	23.7	18.9	14.2	9.5	4.8	3.6	2.4
IMT PN OnGo 1550	49.2	40.1	35.6	28.4	22.1	12.6	6.3	4.8	3.2
IMT PN OnGo 1650	84.0	59.9	53.8	46.6	37.8	23.2	11.7	8.8	5.8
IMT PN OnGo 1750	105.0	84.0	76.0	64.0	51.8	32.6	16.5	11.9	7.3
IMT PN OnGo 2000	140.7	116.5	98.3	77.5	63.0	38.8	19.4	14.6	9.7
IMT PN OnGo 2150	211.1	174.3	146.5	115.0	94.5	57.8	29.0	21.8	14.5
IMT PN OnGo 2250	260.4	215.3	188.0	143.9	116.6	73.4	35.8	26.9	18.0
IMT PN OnGo 3000	372.8	308.7	269.9	205.8	167.0	102.9	51.4	38.6	25.8
IMT PN OnGo 4000	442.1	366.5	320.3	244.7	198.5	121.8	60.9	45.8	30.6
IMT PN OnGo 5000	630.0	522.9	457.8	348.6	283.5	174.3	87.2	65.4	43.6
IMT PN OnGo 6000	913.5	756.0	661.5	504.0	409.5	252.0	126.0	94.5	63.0
IMT PN OnGo 8000	1,370.3	1,134.0	992.3	756.0	630.0	378.0	189.0	142.0	95.0