

NITROGEN GENERATOR

IMT PN OnTouch

PN ONTOUCH - N₂ SELF-SUPPLY FOR LOW VOLUME REQUIREMENT

The INMATEC OnTouch nitrogen technology produces nitrogen with a purity of up to 5.0 / 10 ppm (residual oxygen) and in quantities of 0,4 – 84,0 Nm³/h.

PERMANENT N₂ SUPPLY

PROCESS:

The INMATEC Pressure Swing Adsorption Process separates the nitrogen molecules from the oxygen molecules. You may now use the high-purity nitrogen in a wide range of applications.

ONSITE IS OUR WORLD

ADVANTAGES:

- Easy, Reliable and Documented Nitrogen Supply
- Constant Measurement of the N₂ Purity and the Outlet Pressure
- Low-Maintenance Design
- Easy Handling and Control of all Parameters with Touch Control Panel L
- Filtration as Standard

Options:

- | | | |
|---------------------|--------------------|-----------------------------|
| ■ Redundant | ■ Flow Measurement | ■ Remote Monitoring Box |
| ■ Basic Change Load | ■ Profinet | ■ Pressure Dew Point Sensor |
| ■ Inlet Pressure | ■ Modbus | ■ Temperature Sensor |
| ■ Modular Extension | ■ NKAT Extension | |





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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
Optional Temperature Range: -50° C to +60° 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. 85 dB(A)
Operating Pressure: Up to 11 bar (Standard: 7 bar)

Special Design

Stainless Steel, ATEX, IP 65, ASME, Marine Design, TRCU



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 OnTouch 1150	5,7	4,7	4,1	3,2	2,6	1,6	0,9	0,7	0,4
IMT PN OnTouch 1250	10,8	8,7	7,9	5,8	5,1	3,2	1,3	1,1	0,9
IMT PN OnTouch 1280	16,5	13,4	12,0	9,0	7,7	4,8	2,4	1,8	1,3
IMT PN OnTouch 1350	20,8	17,1	15,8	12,6	9,5	6,3	3,2	2,5	1,8
IMT PN OnTouch 1450	31,2	25,6	23,7	18,9	14,2	9,5	4,8	3,6	2,4
IMT PN OnTouch 1550	49,2	40,1	35,6	28,4	22,1	12,6	6,3	4,8	3,2
IMT PN OnTouch 1650	84,0	59,9	53,8	46,6	37,8	23,2	11,7	8,8	5,8