

NITROGEN GENERATOR

IMT PN



N_{KAT} – NITROGEN PURITY UP TO 6,0 (1 PPM RESIDUAL OXYGEN)

This process allows you to benefit from the interaction of our PAN Generators and our new energy-saving N_{Kat} System.

The nitrogen obtained from the PAN System is enriched with a minimum quantity of hydrogen and then conveyed into a catalyst. There, the hydrogen separates the residual oxygen from the nitrogen.

The „waste products“ of this chemical reaction – water steam and heat – are removed by filtration.

Thanks to our innovative NKat System, you can produce ultra-pure nitrogen with much smaller air compressors!

BENEFITS:

- Air Factor 2,9
- Highest Purity
- Low-Maintenance, Compact Design
- Reduced Compressed Air Requirement
- Power Savings up to 50%

ONSITE IS OUR WORLD



Options:

- With Touch Control Panel as Independent Modul

Interfaces:

- Modbus
- Profibus
- Remote Monitoring Box



NITROGEN GENERATOR

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Technical Data

Outlet Pressure:	max. 12 bar
Ambient Conditions:	+4° C to +50° C
Nitrogen Pressure Dew Point:	up to -60° C
Nitrogen Purity:	5.0 = 10 ppm
Highest Purity:	6.0 = 1 ppm
Nitrogen Temperature:	plus 10° C above Ambient Temperature

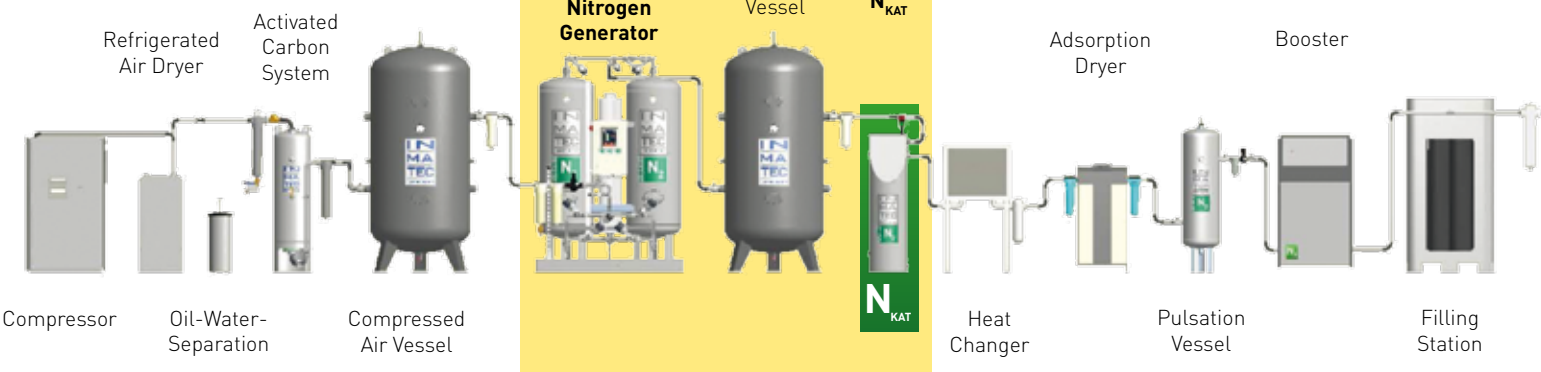


ISO 9001:2015

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

Compressed Air and Filtration

Nitrogen Application



INMATEC Nitrogen Generator

 Volume flow
 at 99.9%
 Nm³/h

NKat Type

 Hydrogen
 Ltr./h
 at 99.9%

INMATEC Nitrogen Generator	Volume flow at 99.9% Nm ³ /h	NKat Type	Hydrogen Ltr./h at 99.9%
IMT PN 1350	6.3	20	15.8
IMT PN 1450	9.5	20	23.8
IMT PN 1550	12.6	20	31.5
IMT PN 1650	23.2	40	58.0
IMT PN 1750	32.6	40	81.5
IMT PN 2000	38.8	40	97.0
IMT PN 2150	57.8	60	144.5
IMT PN 2250	73.4	80	183.5
IMT PN 3000	102.9	100	257.3
IMT PN 4000	121.8	200	304.5
IMT PN 5000	174.3	200	435.8
IMT PN 6000	252.0	300	630.0