

NITROGEN SYSTEM

IMT PN KomPact

NEW



PN KOMPACT - NITROGEN SYSTEM



INMATEC PN KomPact systems are producing highly pure nitrogen with a purity of up to 5.0 or 6.0 at quantities of 20 – 100 Nm³/h.

All single components are conjoined onto a compact platform to a Plug & Play System. This ensures an easy transport, prompt installation and immediate start-up onsite – at a very low consumption of electricity & compressed air.

PROCESS:

The interaction of the PNC Generators and our new energy saving N_{Kat} System maximises the efficiency of the Nitrogen Production. The nitrogen obtained from the PNC Generator is enriched with a small amount of hydrogen, cleared up in the N_{Kat} catalyst and thus the N₂ purity is increased up to 6.0.

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

ONSITE IS OUR WORLD

ADVANTAGES:

- Plug & Play System - working instantly
- Higher Efficiency, Low Maintenance
- High Quality & Worldwide Service
- Less Space needed, Easy Handling
- NKAT Technology
- Autopure System
- Very Low Air & Electricity Consumption
- Air Factor 2,9 at 99,5% (1 Nm³ N₂ = 2,9 Nm³ Compressed Air)
- Constant Measurement of the N₂ Purity and the Outlet Pressure
- Trend Statement, Recipe Administration
- Data Storage, Multilingual
- Remote Control, Monitoring, E-mail Alarm, Industry 4.0



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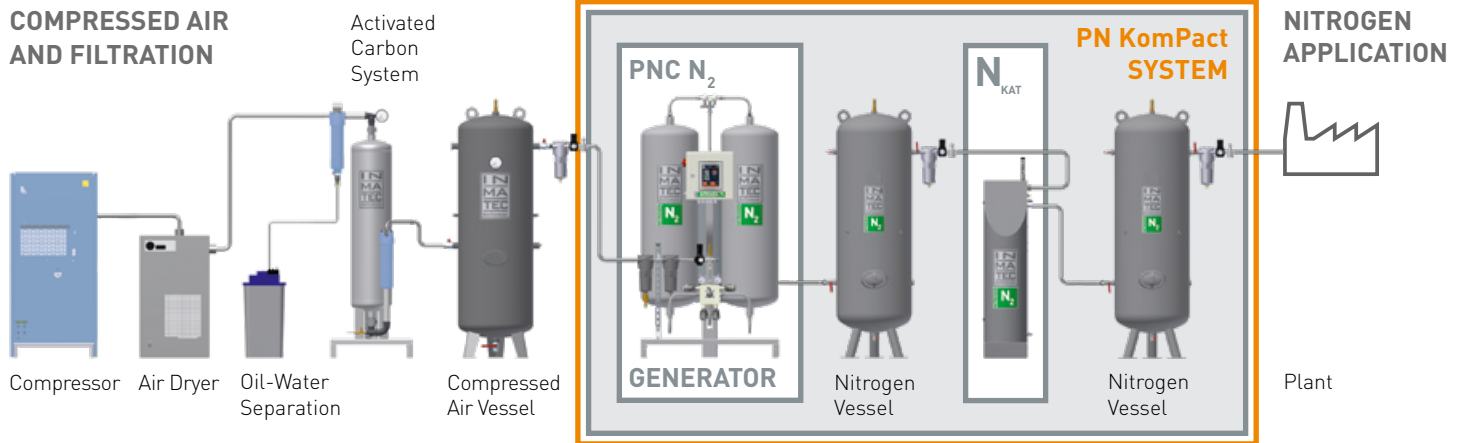
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NITROGEN SYSTEM

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PN KomPact SYSTEM^{1) 2)}

PN KomPact ^{1) 2)}	Volume at 5.0 / 6.0	Platform LxWxH in mm
IMT PN KomPact 20	20 Nm ³ /h	2.200 x 2.200 x 2.200
IMT PN KomPact 40	40 Nm ³ /h	2.200 x 2.200 x 2.200
IMT PN KomPact 60	60 Nm ³ /h	2.200 x 2.200 x 2.200
IMT PN KomPact 80	80 Nm ³ /h	2.200 x 2.200 x 2.400
IMT PN KomPact 100	100 Nm ³ /h	*2.200 x 2.200 x 2.400

¹⁾ PN KomPact consisting of: PNC Nitrogen Generator, N₂ Product Vessel, NKAT.

²⁾ Expansion of Capacity up to 1000 Nm³/h possible.

* Nitrogen Generator separate next to Platform.

Compressed Air Specification

Temperature Range: +5 °C bis +50 °C
Pressure Dew Point: +3 °C
Min. Inlet Pressure: 6,5 bar(g)
Air Quality: ISO 8573.1, Class 1 (dirt and oil),
Class 4 (water, free from oil vapour)

Nitrogen Specifications

Nitrogen Temperature: 10 °C above Ambient Temperature

ADD ON – NKAT^{3) 4)}

INMATEC NKAT	Volume at 5.0 / 6.0
IMT PNKAT 20	20 Nm ³ /h
IMT PNKAT 40	40 Nm ³ /h
IMT PNKAT 60	60 Nm ³ /h
IMT PNKAT 80	80 Nm ³ /h
IMT PNKAT 100	100 Nm ³ /h
IMT PNKAT 250	250 Nm ³ /h

³⁾ NKAT as Add On to existing INMATEC Nitrogen Generator.

⁴⁾ Expansion of Capacity up to 1000 Nm³/h possible.

Technical Data

Temperature Range: +5 °C bis +50 °C
Nitrogen Purity: ≥ 5.0 = 10 ppm
Power Supply: 230 V



ISO 9001:2015

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