

**NEW!  
2.9**



# NITROGEN-GENERATOR IMT-PN **N<sub>KAT</sub>**

## > **N<sub>KAT</sub> – NITROGEN PURITY UP TO 99,9999% (1 PPM RESIDUAL OXYGEN) AIR FACTOR FROM 2.9**

Our new N<sub>KAT</sub> System uses the INMATEC PAN technology. In this particular merging process, the produced nitrogen from the PAN generator is enriched with very small consumption of hydrogen.

The chemical reaction is steam and heat, which removes over filtrations. The result is a very high nitrogen purity.

The advantage of the new N<sub>KAT</sub> System is the significantly reduced compressed air requirement. Through this process, substantial smaller compressors are used. At the same a higher purity is achieved.



### **BENEFITS:**

- Air Factor 2.9
- Made in Germany
- High quality
- Plug and play
- Long lifetime
- No maintenance

### **HIGHLIGHTS:**

- Less requirement of compressed air
- Saving power energy around 50%

> ONSITE IS OUR WORLD

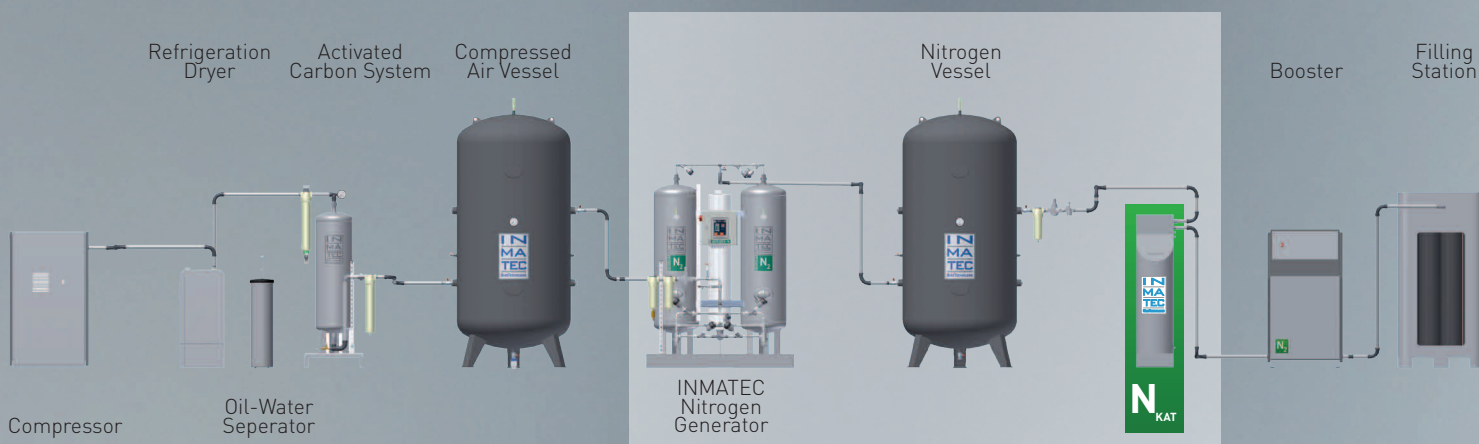


# NITROGEN-GENERATOR

## IMT-PN

### Compressed air specification

|                       |                                     |
|-----------------------|-------------------------------------|
| Outlet Pressure:      | max. 12 bar                         |
| Ambient Temperature:  | +4°C up to +30°C                    |
| Nitrogen Dew point:   | up to - 60 °C                       |
| Nitrogen purity:      | 5.0 = 10 ppm                        |
| Best purity:          | 6.0 = 1 ppm                         |
| Nitrogen Temperature: | plus 10° C over ambient temperature |



| INMATEC Nitrogen Generator | Volume flow at 99,5% Nm <sup>3</sup> /h | Volume flow at 99,9% Nm <sup>3</sup> /h | NKat model | NKat model | NKat Dimensions LxWxH mm | Hydrogen L/h at 99,5% | Hydrogen L/h at 99,9% |
|----------------------------|---|---|------------|------------|--------------------------|-----------------------|-----------------------|
| IMT-PN 1350                | 9,50                                    | 6,30                                    | 15.13      | 15.13      | 920 x 560 x 1285         | 48,45                 | 15,75                 |
| IMT-PN 1450                | 14,20                                   | 9,50                                    | 15.14      | 15.14      | 920 x 560 x 1285         | 72,42                 | 23,75                 |
| IMT-PN 1550                | 22,10                                   | 12,60                                   | 40.15      | 15.15      | 920 x 560 x 1285         | 112,71                | 31,50                 |
| IMT-PN 1650                | 37,80                                   | 23,20                                   | 40.16      | 40.16      | 1116 x 658 x 1665        | 192,78                | 58,00                 |
| IMT-PN 1750                | 51,80                                   | 32,60                                   | 60.17      | 40.17      | 1116 x 658 x 1665        | 264,18                | 81,50                 |
| IMT-PN 2000                | 63,00                                   | 38,80                                   | 60.20      | 40.20      | 1116 x 658 x 1665        | 321,30                | 97,00                 |
| IMT-PN 2150                | 94,50                                   | 57,80                                   | 105.21     | 60.21      | 1116 x 658 x 1665        | 481,95                | 144,50                |
| IMT-PN 2250                | 116,60                                  | 73,40                                   | 120.22     | 80.22      | 1116 x 658 x 1665        | 594,66                | 183,50                |
| IMT-PN 3000                | 167,00                                  | 102,90                                  | 175.30     | 105.30     | 1116 x 850 x 1998        | 851,70                | 257,25                |
| IMT-PN 4000                | 198,50                                  | 121,80                                  | 250.40     | 120.40     | 1116 x 850 x 1998        | 1.012,35              | 304,50                |
| IMT-PN 5000                | 283,50                                  | 174,30                                  | 380.50     | 175.50     | 1116 x 850 x 1998        | 1.445,85              | 435,75                |
| IMT-PN 6000                | 409,50                                  | 252,00                                  | 380.60     | 250.60     | 1116 x 850 x 1998        | 2.088,45              | 630,00                |
| IMT-PN 8000                | 630,00                                  | 378,00                                  | 650.80     | 380.80     | 1116 x 850 x 1998        | 3.213,00              | 945,00                |
| IMT-PN 10000               | 724,00                                  | 441,00                                  | 750.100    | 450.100    | 1228 x 950 x 2118        | 3.692,40              | 1.102,50              |
| IMT-PN 12000               | 819,00                                  | 504,00                                  | 850.120    | 550.120    | 1228 x 950 x 2118        | 4.176,90              | 1.260,00              |
| IMT-PN 14000               | 1090,00                                 | 630,00                                  | 1.250.140  | 650.140    | 1228 x 950 x 2118        | 5.559,00              | 1.575,00              |
| IMT-PN 16000               | 1260,00                                 | 756,00                                  | 1.250.160  | 750.160    | 1228 x 950 x 2118        | 6.426,00              | 1.890,00              |
| IMT-PN 24000               | 1890,00                                 | 1134,00                                 | 2.000.240  | 1.250.240  | 1228 x 1050 x 2118       | 9.639,00              | 2.835,00              |

Other sizes on request. By 20°C ambient temperature.