NEW

NITROGEN GENERATOR
IMT PNC

PNC - THE OPTIMAL SOLUTION FOR N₂ SELF SUPPLY

The INMATEC PNC nitrogen technology produces nitrogen with a purity of up to 5.0 / 10 ppm (residual oxygen) and in quantities of 7.3 – 4.111 Nm³/h.

PERMANENT N₂ Supply

PROCESS:

The INMATEC Pressure Swing Adsorption Process separates the nitrogen molecules from the oxygen molecules. You can now use high-purity N₂ in a wide range of applications.

Latest Flow Technique and Innovative Rotator Engineering are reducing the demand of compressed air and lowering energy costs significantly. The PNC process raises the efficiency to an optimum.

ONSITE IS OUR WORLD

BENEFITS:
- Higher Efficiency, Low Maintenance
- Easy, Reliable, and Documented Supply of Pure Nitrogen
- Automatic Cleaning System (Auto Pure System)
- Filtration as Standard
- Constant, Redundant Measurement of the N₂ Purity and the Outlet Pressure
- Sensors: Inlet Pressure, Temperature
- NKAT Extension included

Options:
- Redundant
- Basic Load Change Control
- Modular Extension
- Modbus
- Profibus
- Dew Point Product
- Remote Monitoring Box
NITROGEN GENERATOR
IMT PNC

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: 230V / 50Hz [110 V / 60Hz]
Power Consumption: 150 W
Protection Class: IP 54
Noise Level: From 55 to max. 85 dBA
Operating Pressure: Up to 11 bar [Standard: 7 bar]

Special Design
Stainless Steel, ATEX, IP 65, ASME, Marine Design, TRDU

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

### Capacity (Nm³/h)

<table>
<thead>
<tr>
<th>Nitrogen Content Quality</th>
<th>95%</th>
<th>97%</th>
<th>98%</th>
<th>99%</th>
<th>99.5%</th>
<th>99.9%</th>
<th>99.99%</th>
<th>99.995%</th>
<th>99.999%</th>
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<tbody>
<tr>
<td>Residual O₂ [PPM]</td>
<td>1,000</td>
<td>100</td>
<td>50</td>
<td>10</td>
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<tr>
<td>IMT PNC 9000</td>
<td>122.1</td>
<td>104.9</td>
<td>93.6</td>
<td>71.7</td>
<td>58.4</td>
<td>37.6</td>
<td>23.6</td>
<td>16.8</td>
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<td>73.0</td>
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<td>21.0</td>
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<td>31.5</td>
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<td>161.4</td>
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<td>91.3</td>
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All values apply at 7 bar inlet pressure, 20 °C ambient temperature and 20 °C compressed air temperature.