POC – THE OPTIMUM IN THE O₂ SELF-SUPPLY

Our INMATEC POC oxygen technology produces oxygen with a purity of up to 95% and in quantities of 7.5 – 387 Nm³/h.

PERMANENT O₂ SUPPLY

PROCESS:

The INMATEC Pressure Swing Adsorption process separates the nitrogen molecules from the oxygen molecules. You can then use the pure O₂ in many different applications.

The POC process increases the efficiency and saves costs for energy due to the latest Flow Technique and an innovative Rotator Engineering! This enables the system to generate more oxygen out of each cubic metre of compressed air.

ONSITE IS OUR WORLD

ADVANTAGES:

- Higher Efficiency, Low Maintenance
- Easy, Reliable, and Documented Supply of pure Oxygen
- Filtration as Standard
- Constant Measurement of the O₂ Purity and the Outlet Pressure
- Sensors: Inlet Pressure, Temperature

Options:

- Redundant
- Basic Change Load
- CO/CO₂
- Modular Extension
- Modbus
- Profinet
- Remote Monitoring Box
- Sterile Filter
OXYGEN GENERATOR
IMT POC

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. 78 dB(A)
Operating Pressure: Up to 11 bar [Standard: 7 bar]

Special Design
Stainless Steel, ATEX, IP 65, ASME

<table>
<thead>
<tr>
<th>Capacity (Nm³/h)</th>
<th>90 %</th>
<th>93 %</th>
<th>95 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMT POC 8000</td>
<td>9.6</td>
<td>8.4</td>
<td>7.5</td>
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<tr>
<td>IMT POC 8100</td>
<td>12.0</td>
<td>11.0</td>
<td>10.0</td>
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<tr>
<td>IMT POC 8200</td>
<td>14.5</td>
<td>13.2</td>
<td>12.0</td>
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<tr>
<td>IMT POC 8300</td>
<td>18.8</td>
<td>16.8</td>
<td>15.5</td>
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<tr>
<td>IMT POC 8400</td>
<td>23.3</td>
<td>21.6</td>
<td>24.2</td>
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<tr>
<td>IMT POC 8500</td>
<td>41.0</td>
<td>37.3</td>
<td>33.9</td>
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<tr>
<td>IMT POC 8600</td>
<td>59.9</td>
<td>54.5</td>
<td>49.5</td>
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<tr>
<td>IMT POC 8700</td>
<td>79.2</td>
<td>72.0</td>
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<tr>
<td>IMT POC 8800</td>
<td>104.5</td>
<td>95.0</td>
<td>87.0</td>
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<tr>
<td>IMT POC 8900</td>
<td>137.5</td>
<td>125.0</td>
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<td>IMT POC 8910</td>
<td>153.8</td>
<td>139.8</td>
<td>127.1</td>
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<td>IMT POC 8920</td>
<td>192.5</td>
<td>175.0</td>
<td>160.0</td>
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<td>IMT POC 8930</td>
<td>242.0</td>
<td>220.0</td>
<td>200.0</td>
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<td>IMT POC 8940</td>
<td>290.0</td>
<td>264.0</td>
<td>240.0</td>
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<td>IMT POC 8950</td>
<td>387.0</td>
<td>352.0</td>
<td>320.0</td>
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</tbody>
</table>

All values apply at 7 bar inlet pressure, 20°C ambient temperature and 20°C compressed air temperature.