

# OXYGEN GENERATOR

## IMT POC

**NEW**



### POC – THE OPTIMUM IN THE O<sub>2</sub> SELF-SUPPLY

Our INMATEC POC oxygen technology produces oxygen with a purity of up to 95 % and in quantities of 7,5 – 387 Nm<sup>3</sup>/h.

### PERMANENT O<sub>2</sub> SUPPLY

#### PROCESS:

The INMATEC Pressure Swing Adsorption process separates the nitrogen molecules from the oxygen molecules. You can then use the pure O<sub>2</sub> 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 O<sub>2</sub> Purity and the Outlet Pressure
- Easy Handling & Control: Touch-Control-Panel L, Integrated Flow Measurement & Dew Point Sensor
- Sensors: Inlet Pressure, Temperature
- Autopure Technology



#### Options:

- Redundant
- Basic Change Load
- CO / CO<sub>2</sub>
- Modular Extension
- Modbus
- Profinet
- Remote Monitoring Box
- Sterile Filter

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## 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: 230 V / 50 Hz [110 V / 60 Hz]  
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



ISO 9001:2015

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

## Capacity (Nm<sup>3</sup>/h)

| Oxygen Purity | 90 %  | 93 %  | 95 %  |
|---------------|-------|-------|-------|
| IMT POC 8000  | 9,4   | 8,4   | 7,5   |
| IMT POC 8100  | 12,0  | 11,0  | 10,0  |
| IMT POC 8200  | 14,5  | 13,2  | 12,0  |
| IMT POC 8300  | 18,8  | 16,8  | 15,5  |
| IMT POC 8400  | 29,3  | 26,6  | 24,2  |
| IMT POC 8500  | 41,0  | 37,3  | 33,9  |
| IMT POC 8600  | 59,9  | 54,5  | 49,5  |
| IMT POC 8700  | 79,2  | 72,0  | 65,5  |
| IMT POC 8800  | 104,5 | 95,0  | 87,0  |
| IMT POC 8900  | 137,5 | 125,0 | 107,0 |
| IMT POC 8910  | 153,8 | 139,8 | 127,1 |
| IMT POC 8920  | 192,5 | 175,0 | 160,0 |
| IMT POC 8930  | 242,0 | 220,0 | 200,0 |
| IMT POC 8940  | 290,0 | 264,0 | 240,0 |
| IMT POC 8950  | 387,0 | 352,0 | 320,0 |