

**Oxymat® introduces nitrogen generators for industrial applications like follow:**



- Laser cutting
- Food processing: Preserve and protect foods
- Glass: Tin bath in float glass line
- Protection against moisture
- Food packing and storage, hereunder transport
- Shield gas in packing
- Tanks storage of flammable goods
- Fire resistance in e.g. silos, oil tanks
- Transport of flammable, explosive or oxidized cargo
- Protection of flammable and explosive substances
- Purge into pipelines, tanks against dangerous vapours
- Chemicals and petrochemicals: Quality products and facilities
- Machine/metal construction: Heat treatment of various metals
- All systems can be expanded with cylinder filling option
- Oil refining: Quality protection of products and facilities
- Semiconductors: Used ultra-pure for overall protection against in

**Key benefits:**

- Safe delivery; independency of gas companies
- Economy; significant decrease in nitrogen cost
- Labour; no handling of nitrogen cylinders

**Nitrogen generator:**

Oxymat Nitrogen systems are designed for 24 hour continuous trouble free operation and are fully automatic process controlled with double absorbers for continuous nitrogen production and delivered complete with compressor, air conditioner and storage tanks ready for installation. You only need the electric power. Oxymat Nitrogen receivers are approved as per EU-regulation PED 97/23/EF. The advanced touch screen monitoring system gives you full overview of purity, process, pressure and automatically check of valves. Nitrogen generator can be upgraded to medical/alimentary use supplying up to 99.995 pure nitrogen.



[www.oxymat.dk](http://www.oxymat.dk)

## Technical overview

### Nitrogen generators

| Model                    | Purity | Flow                             |                                  |                                  |                                   |                                    |
|--------------------------|--------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|------------------------------------|
|                          |        | Nm <sup>3</sup> /hour<br>(99,0%) | Nm <sup>3</sup> /hour<br>(99,5%) | Nm <sup>3</sup> /hour<br>(99,9%) | Nm <sup>3</sup> /hour<br>(99,99%) | Nm <sup>3</sup> /hour<br>(99,995%) |
| N-040                    |        | 3,00                             | 2,40                             | 1,50                             | 0,80                              | 0,35                               |
| Air Nm <sup>3</sup> /min |        | 0,13                             | 0,12                             | 0,10                             | 0,07                              | 0,062                              |
| N-075                    |        | 5,52                             | 4,80                             | 3,00                             | 1,20                              | 0,60                               |
| Air Nm <sup>3</sup> /min |        | 0,24                             | 0,24                             | 0,20                             | 0,11                              | 0,10                               |
| N-150                    |        | 12,00                            | 9,00                             | 6,00                             | 3,00                              | 1,50                               |
| Air Nm <sup>3</sup> /min |        | 0,55                             | 0,45                             | 0,40                             | 0,30                              | 0,27                               |
| N-350                    |        | 27,00                            | 21,00                            | 12,00                            | 6,00                              | 3,00                               |
| Air Nm <sup>3</sup> /min |        | 1,17                             | 1,10                             | 0,79                             | 0,60                              | 0,55                               |
| N-600                    |        | 44,3                             | 36,0                             | 22,1                             | 11,1                              | 5,50                               |
| Air Nm <sup>3</sup> /min |        | 1,93                             | 1,80                             | 1,48                             | 1,02                              | 0,92                               |
| N-800                    |        | 60,00                            | 48,00                            | 28,80                            | 15,60                             | 6,90                               |
| Air Nm <sup>3</sup> /min |        | 2,68                             | 2,40                             | 1,92                             | 1,43                              | 1,15                               |
| N-1000                   |        | 73,80                            | 60,00                            | 36,90                            | 18,48                             | 9,18                               |
| Air Nm <sup>3</sup> /min |        | 3,20                             | 3,00                             | 2,46                             | 1,69                              | 1,54                               |
| N-1500                   |        | 111,00                           | 90,00                            | 55,02                            | 27,60                             | 13,80                              |
| Air Nm <sup>3</sup> /min |        | 4,80                             | 4,50                             | 3,70                             | 2,54                              | 2,31                               |
| N-1850                   |        | 137,00                           | 111,00                           | 68,00                            | 34,10                             | 17,10                              |
| Air Nm <sup>3</sup> /min |        | 5,92                             | 5,55                             | 4,55                             | 3,13                              | 2,85                               |
| N-2650                   |        | 196,00                           | 159,00                           | 98,00                            | 48,90                             | 24,50                              |
| Air Nm <sup>3</sup> /min |        | 8,50                             | 7,95                             | 6,52                             | 4,48                              | 4,08                               |
| N-3150                   |        | 233,00                           | 189,00                           | 116,00                           | 58,00                             | 29,10                              |
| Air Nm <sup>3</sup> /min |        | 10,10                            | 9,45                             | 7,75                             | 5,33                              | 4,85                               |
| N-4500                   |        | 332,00                           | 270,00                           | 166,00                           | 83,00                             | 41,50                              |
| Air Nm <sup>3</sup> /min |        | 14,4                             | 13,50                            | 11,10                            | 7,60                              | 6,90                               |
| N-6500                   |        | 480,00                           | 390,00                           | 240,00                           | 120,00                            | 60,00                              |
| Air Nm <sup>3</sup> /min |        | 20,80                            | 19,50                            | 16,00                            | 11,0                              | 10,00                              |
| N-10000                  |        | 720,00                           | 600,00                           | 360,00                           | 180,00                            | 90,00                              |
| Air Nm <sup>3</sup> /min |        | 31,20                            | 30,00                            | 24,00                            | 16,50                             | 15,00                              |

For more information visit [www.oxymat.dk](http://www.oxymat.dk) or contact Oxymat sales team.