# ANOXIA DISINFESTATION

*EXPM6LIGHT ANOXIC DISINFESTATION CHAMBER*

## ANOXIC DISINFESTATION PROCESS

An ecological, user-friendly, disinfestations method. This process has no noxious secondary effects on the object to be treated, nor does it involve any risk to the health of operators or users. It uses an inert gas, usually nitrogen, which causes death of the insects by asphyxia and dehydration. Anoxia eliminates the investing insects at any stage of their development – eggs, larva or adults.

## WORKING WITH EXPM6 LIGHT ANOXIA DESINFESTATION CHAMBER

Equipment designed for continuous and systematic treatment of documents and other archival objects. The equipment has been designed to deal with books, documents and works of art. This system allows the parameters of the atmosphere inside the chamber to be set and controlled, providing an appropriate, low oxygen content atmosphere for disinfestations purposes. Intuitive, automated operating and control mechanisms.



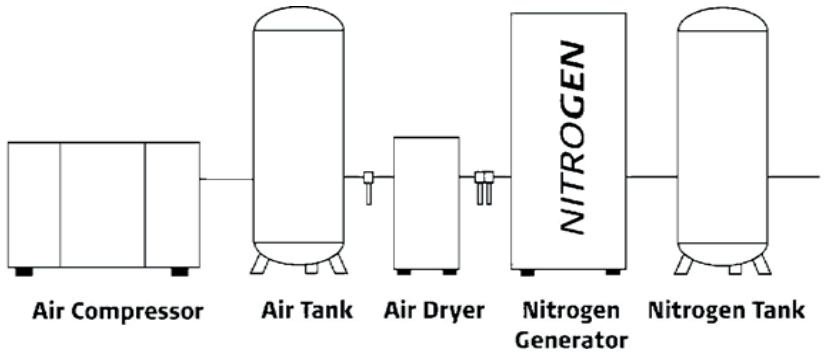



# TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Reference** | EXPM6light Anoxia Chamber |
| **Construction material** | Wall panels coated with lacquered sheet. Stainless steel in the inside wall. Polyurethane foam inside the wall and floor panels. |
| **Weight (empty)** | 600 kg |
| **External dimensions of the chamber** | 2050mm X 1670mm X 2200mm (wide X depth X height) |
| **Chamber volume** | Approximate inner volume: 5,92 m3 |
| **Capacity** | Approximately 50 to 60 linear metres of documentation per treatment |
| **Duration of the treatment** | 1 to 3 weeks |
| **Mortality** | 100% of the infesting insects regardless of their state of development |
| **Nitrogen generator** | Nitrogen generator Kit, supplying a flow of 4,8 m3/ h of 99,9% purity nitrogen. The kit includes suitable air compressor and acessories. |
| **Parameters controlled automatically** | Oxygen content, Relative humidity, Temperature and Pressure |
| **Support infrastructures required** | Exhaust gases to the exterior – Ø 1"– either direct or piped;<br>Electricity supply: Electricity supply: 1 point : 3PH + N, 380V, 10A and 1PH + N, 220V, 16A (2 points). |
| **Integrated EXPM Service** | Includes operator training |
| **Acessories** | |
| **Lack of Oxigen detection equipment** | SAFETY WARNING to be located inside the disinfestations room |

## NITROGEN GENERATOR

Equipment to generate Nitrogen (N2), producing 4,8 m3/hNPT @ 99,9% minimum purity and a maximum pressure of 8 bar. Air consumption of 14,7 m3/h, at 8 bar.




## TECHNICAL SPECIFICATIONS

**Model:** Nitrogen 30
Dimensions (mm): 1000 x 400 x 1400
Weight (kg): 200
Electricity supply: 380V- 3 PH

## TECHNICAL DATA

Nitrogen Purity: from 98% up to 10 ppm Output
Nitrogen Pressure (bar): 5.5 - 8
Nitrogen Output Flow (Nm3/h): 4,8 @ 99.9% and 6 bar