



FLAIRMO ApS is a professional
supplier of nitrogen-generators
for the laboratory industry



FLAIRMO
FLAIR 4 GAS



Table of contents



About

1



Services

2



Technology

4



Products

5

About

FLAIRMO

FLAIRMO ApS is a professional supplier of compressors, vacuum pumps, air treatment products and nitrogen-generators.

FLAIRMO nitrogen generators are designed and MADE IN DENMARK 🇩🇰

The nitrogen generators are reliable and come with either integrated long-life oil-free compressor or made for an external air supply.

The company is founded by Flemming S. Petersen & Morten V. Nielsen, who both have vast experience in field of compressor & gas-generator market.



Our Mission

Only the best solution is good enough for our customers. We strive to be the best possible supplier with reliable products and excellent service!

Our goal is to achieve full customer satisfaction.

Services we provide

Producing your own nitrogen is easy and cheap – this can give you a competitive advantage. Inert gases other than nitrogen are much costlier alternatives. An on-site generator from FLAIRMO gives you 24-hour access to nitrogen – with a low-cost, environmentally friendly solution.

There are many laboratory instruments/equipment using nitrogen in different purities and flow e.g., for:

LC/MS - Liquid Chromatography

High purity nitrogen is typically used in LC/MS instruments as nebulizer, curtain and dry gas.



GC - Gas Chromatography

Nitrogen is used as an effective inert carrier gas and as an alternative to helium and hydrogen.



ELSD - Evaporation Light Scattering Detector

The purity of nitrogen gas is important since it needs to be pure, dry and inert in order to optimise detection.





Nitrogen Generators

- Effective and reliable Nitrogen generators based on PSA technologies.
- Purities range from 95 - 99.999% fitting different laboratory applications.
- Monitoring via smartphone & PCs.
- Standalone generators or complete solutions.
- High quality solutions with internal long-life compressor or for external air supply.



GB - Glove Box

The glove box should be supplied with inert gas at a 2 bar pressure. Normally the inert gas chosen is nitrogen to lower the oxygen concentration within the equipment.



CAD - Charged Aerosol Detector

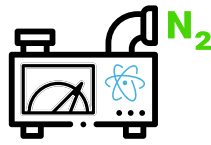
Nitrogen gas serves multiple roles of atomisation, drying and collision charging in the CAD process.



TOC - Total Organic Carbon Analyzer

By acidifying the organic compound sample and flushing it with nitrogen, inorganic carbon is removed from the sample, leaving only organic carbon sources for measurement.

Technology



High Purity Gas Generators

Nitrogen generators meet capacities ranging from 0.2 Nm³/hr to 10 Nm³/hr (3 – 160 l/min) with a standard purity of 99.5%



PSA Technology

Our nitrogen generators use Pressure Swing Adsorption system to generate a nitrogen purity ranging from 95% to 99.9995%



Long Life Compressors

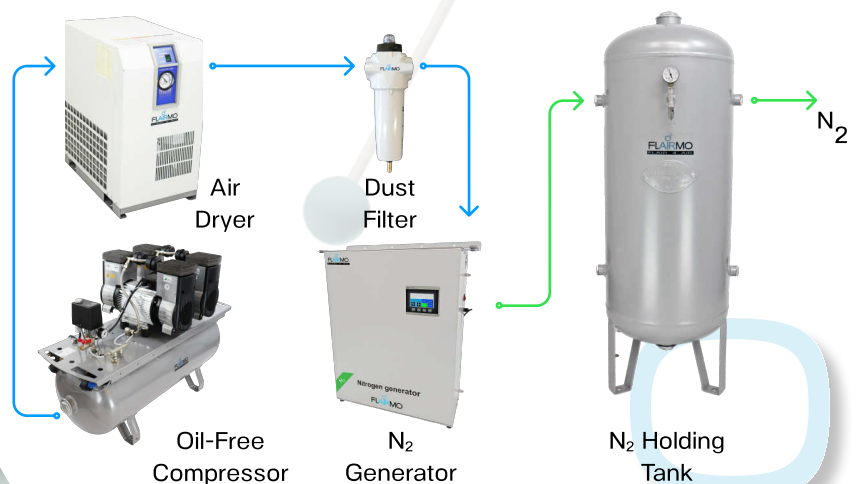
Our oil-free compressor line offers reliable compressed air with a long lifetime, that fits the air requirement for our nitrogen generators



Plug & Play Solutions

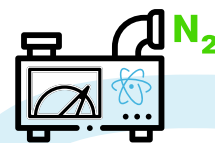
Get a complete “plug and play” solution, based on an oil-free compressor, air dryer and filters, all scrutinised to the absolute highest standards

FLAIRMO Complete Solution



Nitrogen Generators

The Nitrogen Generators are FLAIRMO's own series of robust and reliable generators in a stainless or powder-coated steel cabinet. The models come with an integrated compressor or for external air supply.



INTERNAL AIR SUPPLY

N2G 3C



N2G 10C



N2G 15C



N2G 40C



N2G 40CS



Flow	3 l/min	10 l/min	15 l/min	40 l/min	40 l/min
Purity	99.8%*	99.5%*	99.5%*	99.5%*	99.5%*
L x W x H	495x230x545 mm	650x275x550 mm	650x275x550 mm	650x350x1600 mm	615x630x860 mm
Weight	28 Kg	50 Kg	52 Kg	110 Kg	110 Kg
Noise Level	55 dB(A) / 1m	55 dB(A) / 1m	60 dB(A) / 1m	65 dB(A) / 1m	55 dB(A) / 1m
Inlet Flow rate	Internal compressor	Internal compressor	Internal compressor	Internal compressor	Internal compressor

EXTERNAL AIR SUPPLY

N2G 15



N2G 30



N2G 40



N2G 80

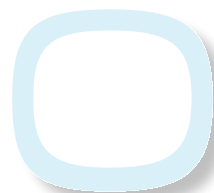
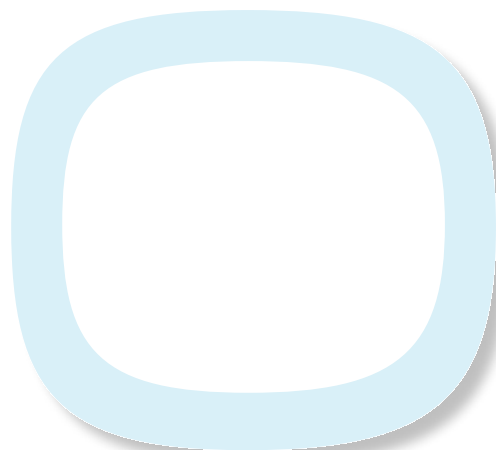
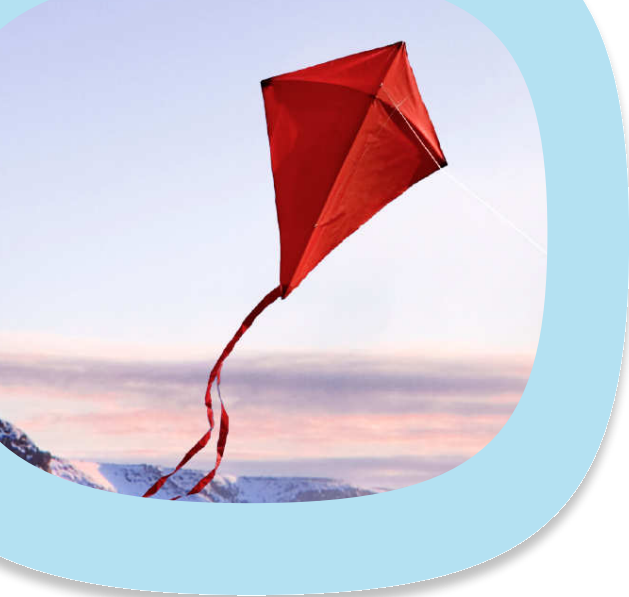


N2G 160

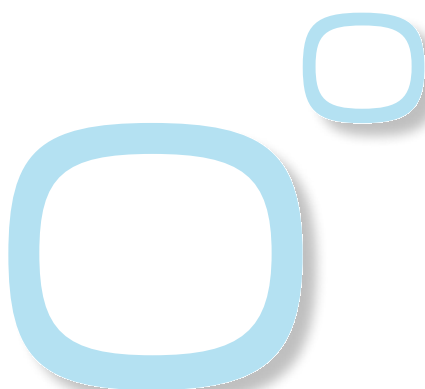


Flow	15 l/min	30 l/min	40 l/min	80 l/min	160 l/min
Purity	99.5%*	99.5%*	99.5%*	99.5%*	99.5%*
L x W x H	650x275x550 mm	650x275x550 mm	650x275x800 mm	650x275x1600 mm	650x450x1600 mm
Weight	45 Kg	48 Kg	75 Kg	115 Kg	230 Kg
Noise Level	50 dB(A) / 1m	50 dB(A) / 1m	50 dB(A) / 1m	50 dB(A) / 1m	50 dB(A) / 1m
Inlet Flow rate	45 l @ 7 bar	90 l @ 7 bar	120 l @ 7 bar	240 l @ 7 bar	480 l @ 7 bar

*Technical data based on the stated purity.
Other purities are available from 95% - 99,999%



Gas at your convenience



Flairmo ApS

 Lundebergvej 3
9220 Aalborg Ø. Denmark

 +45 53 71 72 20

 info@flairmo.dk

 flairmo-gas.com

