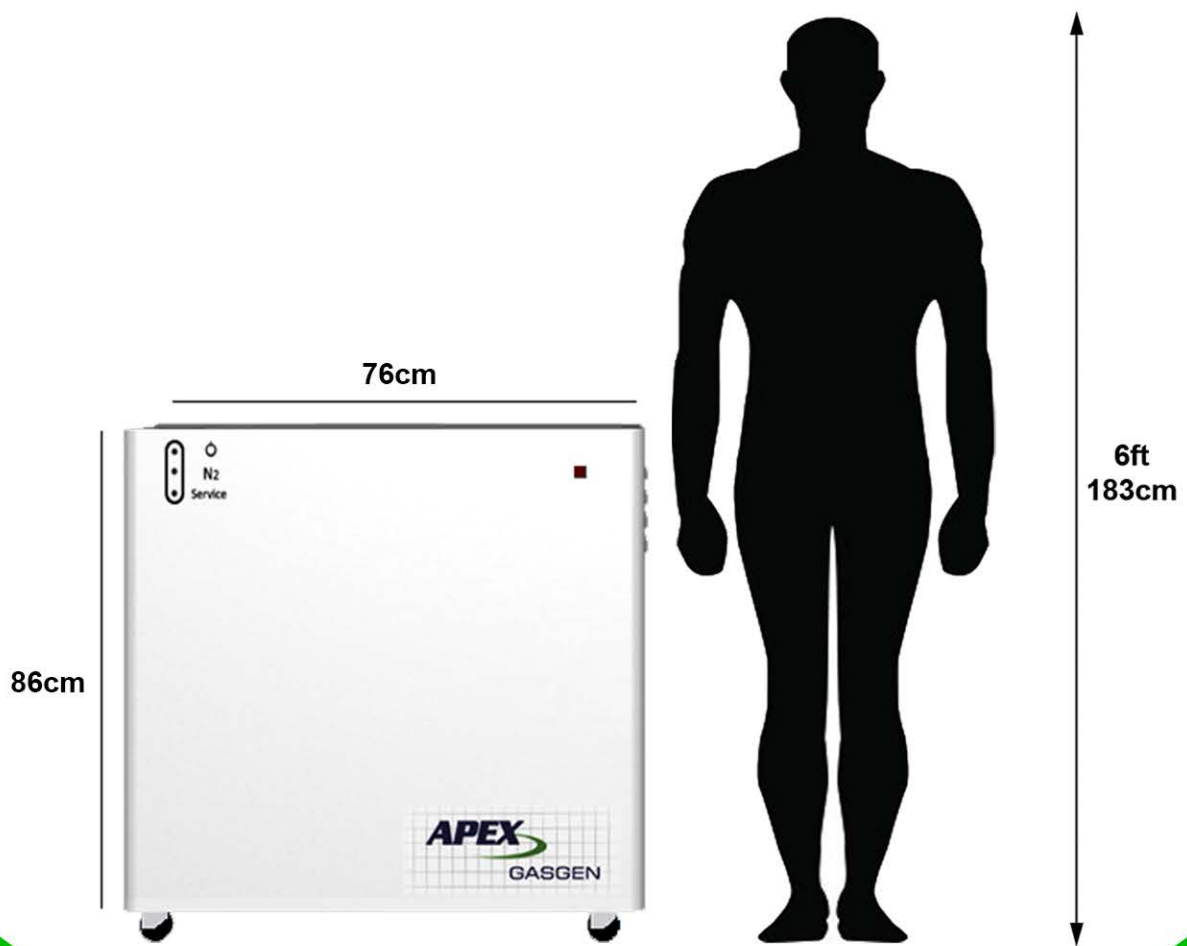




**APEX**

**GASGEN**

**The Munro 30C**



## Description

The Munro C Series is part of Apex's Munro Range an extension of our Nevis Range and is specially designed for uses in the Mass Spectrometry Market but has the capability to work in a variety of other applications from drying and shield gas to fibre optics and more

This economical system has been manufactured using Pressure Swing Adsorption (PSA) technology to provide you with continuous smooth performance and reliability at a reasonable price and is capable of producing one of the highest flows of pure nitrogen available on the market.

All of the units in the range are built on a modular design and can be expanded on if required. As with most of our products, there is the option for bespoke models which better fit your laboratories needs, flow rates, purity levels, connection ports, and more all customisable to suit your needs.

Featuring an integral Jun Air compressor each Nevis-C generator provides a true stand-alone solution, which offers efficiency for the ideal performance time and time again.

# Features & Benefits

- Standard Flow Rates up to 60 litres/min
- Output Pressure of 7 bar (100psi)
- Certified Purity Level >95%
- Medical Grade Tubing as Standard
- Stand-By Mode
- PSA Technology
- Built in Oil-Free Compressor to Reduce Contaminants
- Easy Installation
- Minimal Deterioration in Purity Over System Life Span
- Simple Maintenance and Low Cost



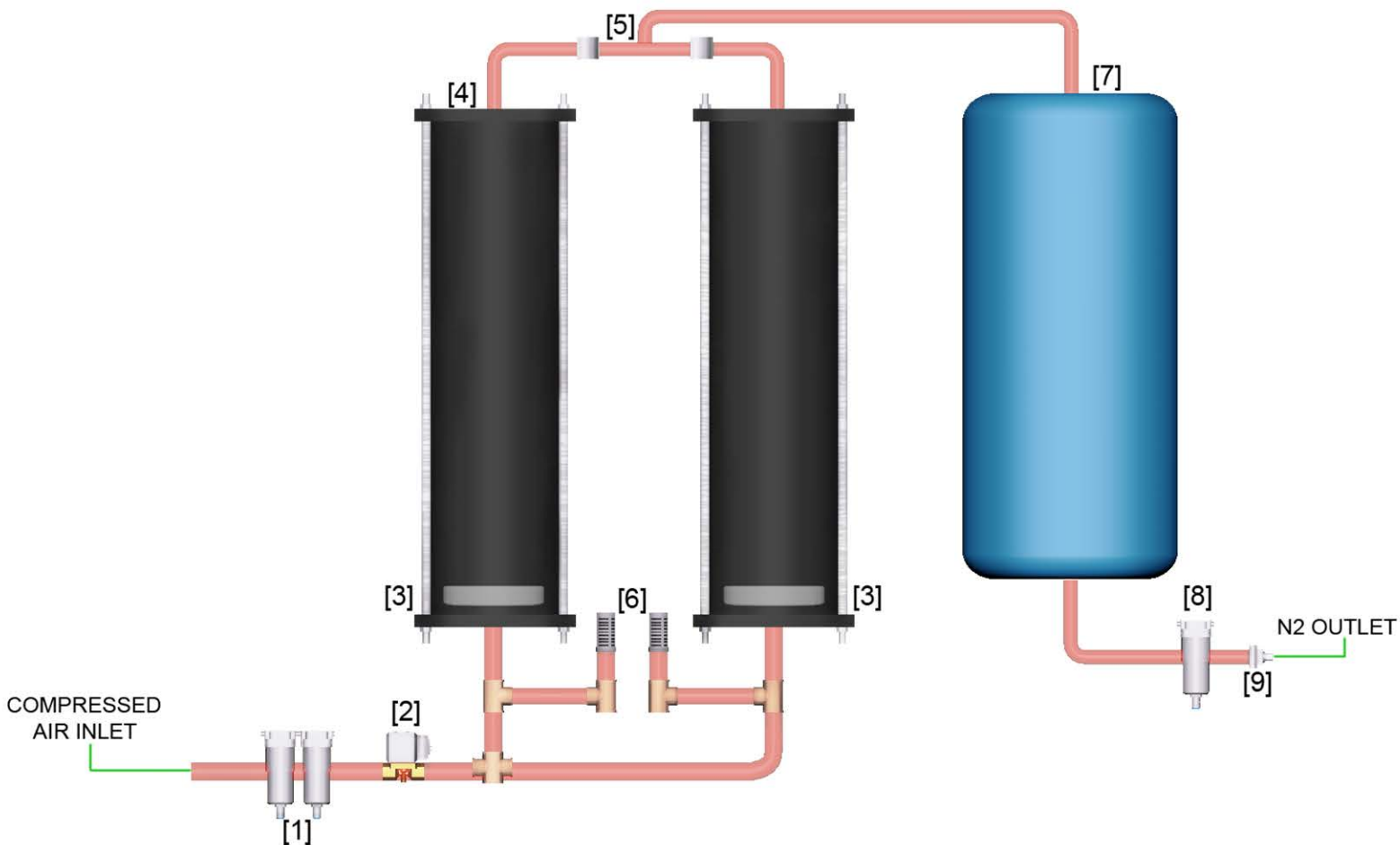


# Technical Specifications

Model	Munro-30C
Flow / Min	30
Output Pressure (BARG/PSIG)	6.9 / 100
Dew Point (C PDP)	- 40
Power Consumption (W)	2000
Voltage (V AC)	230
Depth (mm/inch)	650 / 25.6
Height (mm/inch)	860 / 33.9
Width (mm/inch)	760 / 30
Weight (kg/lbs)	86 / 190
Connection Ports	Female 1/4" BSPP
Max Altitude (m)	2000
Particulates (um)	<0.01
Lubricants	None
Humidity	80% up to 31°C decreasing linearly to 50% at 40°C

# How It Works

Air from an external source enters the generator via a 0.01-micron filter [1] that removes contaminants and bulk moisture via an integrated auto drain. When the control system assesses that more nitrogen is required, the solenoid valve [2] is opened and pressure is allowed to build in the column [4] containing Carbon Molecular Sieve (CMS) and a residue moisture catcher [3]. This sieve adsorbs the oxygen and leaves the dry nitrogen free to flow through the non-return valve into the direction of the variable reservoir capacity (VRC) [7]. Following on from this the Nitrogen is allowed to flow to the application via another 0.01-micron filter [8] and pressure and flow regulators [9]. The trapped oxygen is meanwhile filtered out through the exhaust valves [6]





## Applications

- Mass Spectrometry (LCMS instruments)
- Drying Gas & Shield Gas
  - Fibre Optics
- Blanket gas for Ovens
- Special Coatings
- Wave Soldering
- Packaging

## Warranty

All Apex units are supplied with our standard 1 year warranty. Accompanied with our on-going care and servicing facilities Apex provides the highest quality peace of mind.



## Contact Details

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