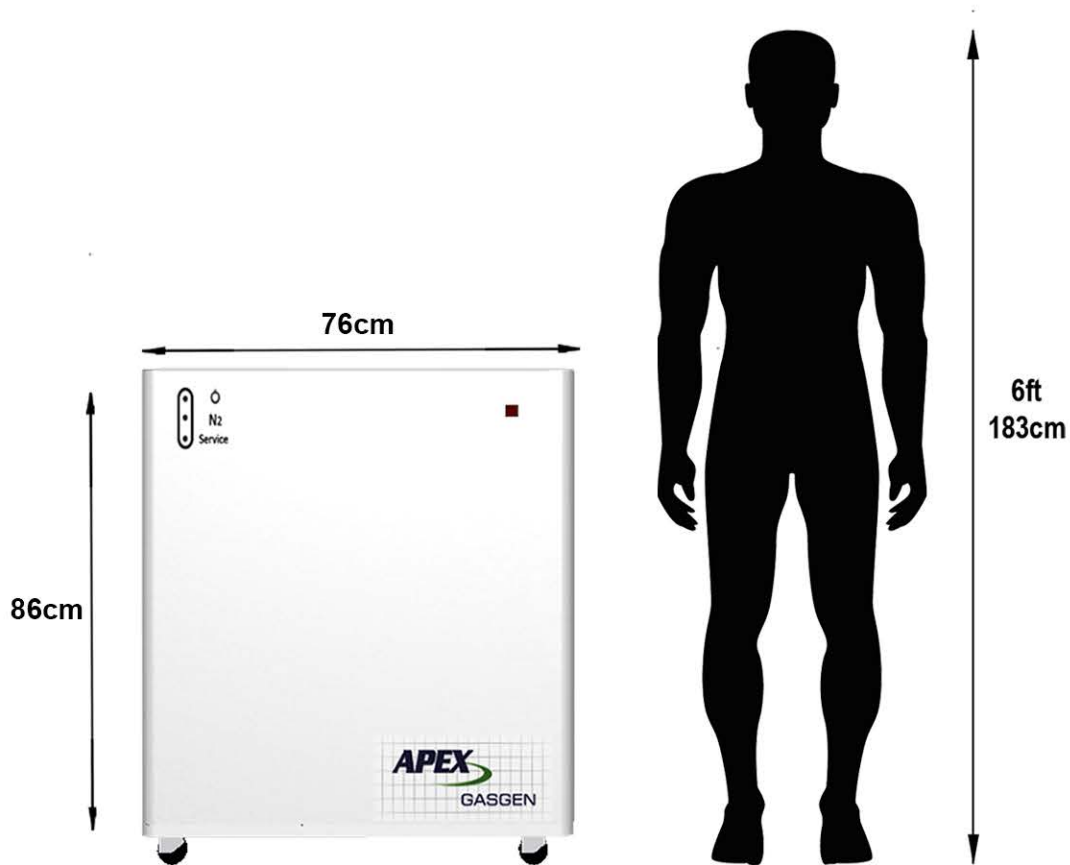




**APEX**

**GASGEN**

**The Munro 60**



## Description

The Munro 60 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 & shield gas to fibre optics and more.

This economical system has been manufactured using Pressure Swing Adsorption 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 to allow the capacity to be expanded upon if required. As with most of our products, there is the option for bespoke models which better fix your laboratories needs, flow rates, purity levels, connection ports, integrated compressors and more are all to be customised to best suit your requirements.

# Features & Benefits

- Standard flow rates of up to 60litres/min
- Output pressure 7 Barg / 100psig
- Certified purity level >95%
- Medical grade tubing as standard
- Stand-by mode
- PSA technology
- Easy installation
- Simple and low cost maintenance
- Integrated air compressor available





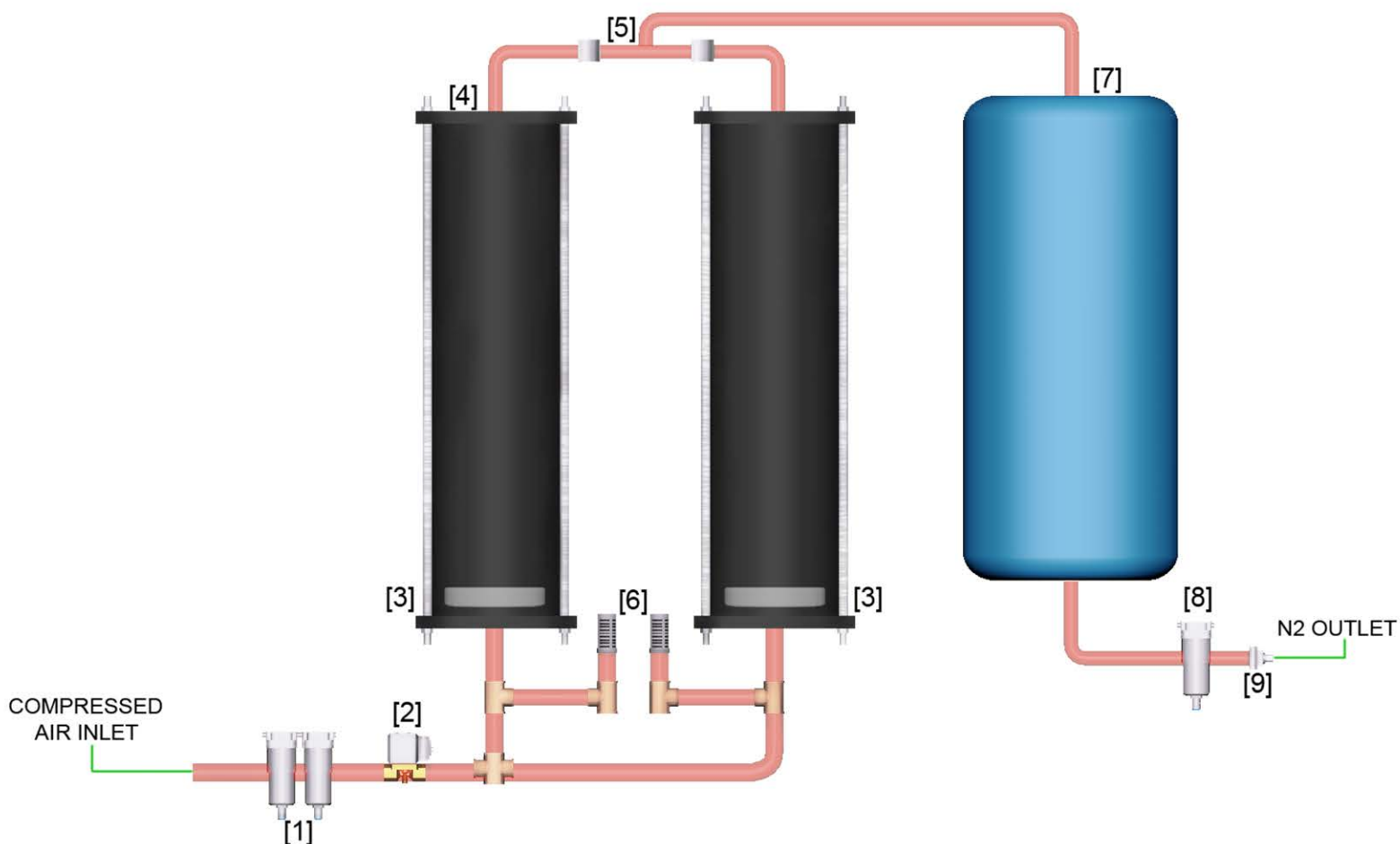


# Technical Specifications

<b>Model</b>	Munro 60
Flow / Min	60
Dew Point (°C)	- 40
Outlet Pressure (Bar/PSIG)	6.9 / 100
Inlet Air Requirements	260 L / Min at 8 Bar / 100 PSIG
Power	8.1 W, 110 - 230 V
Depth (mm / inch)	650 / 25.6
Height (mm / inch)	860 / 33.9
Width (mm / .inch)	760 / 30
Weight (kg / lbs)	132 / 291
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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