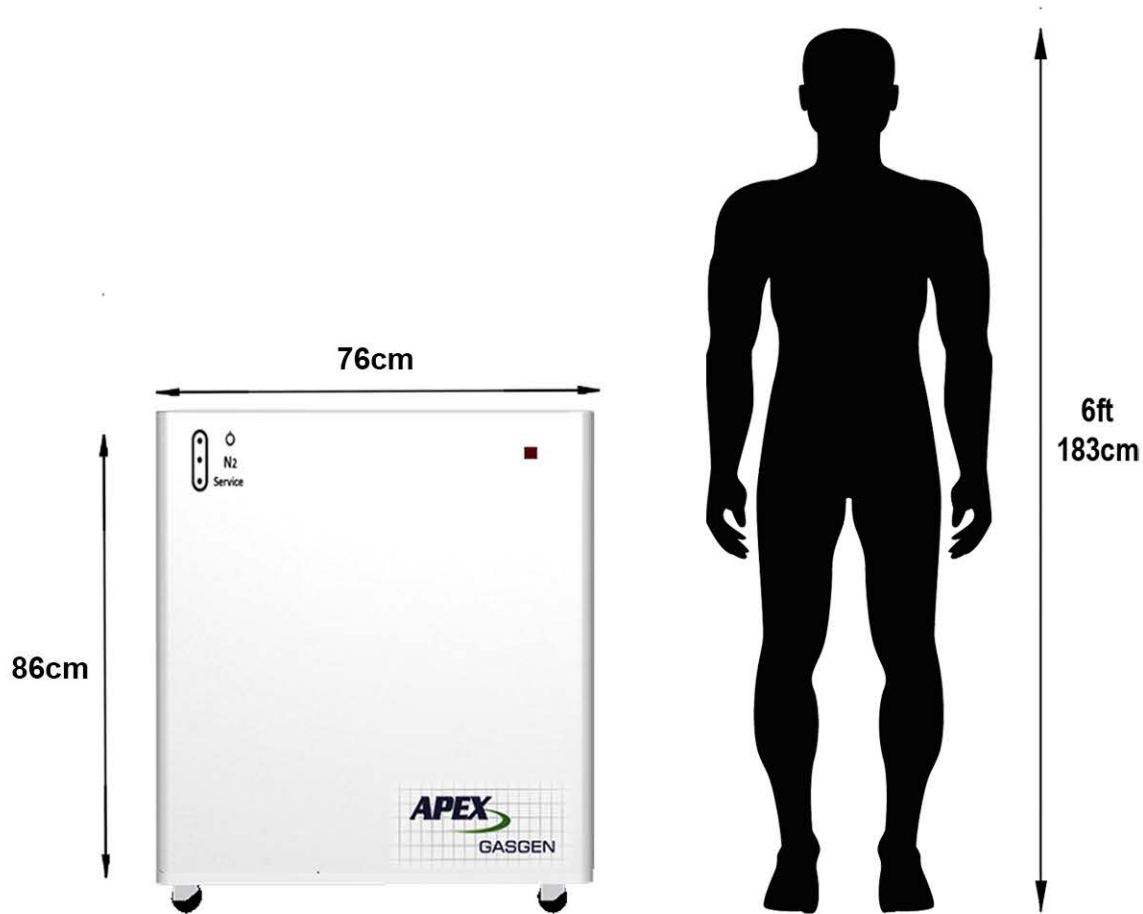




APEX

GASGEN

The Munro 40



Description

The Munro 40 is a bespoke system capable of producing one of the highest flows of pure nitrogen available on the market and is customisable to your specifications to fit under any size of workbench. The range is available to work in a variety of applications particularly in the Mass Spectrometry market.

In order to provide you with a superior performance and reliability our systems have been manufactured to use Pressure Swing Adsorption technology with the added benefits of providing you with more space and a safer working environment at a reasonable price.

Maintenance of your Nevis Series High Purity Nitrogen Generator is simple with all regular maintenance parts being easily accessible, for peace of mind we offer a service package.

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



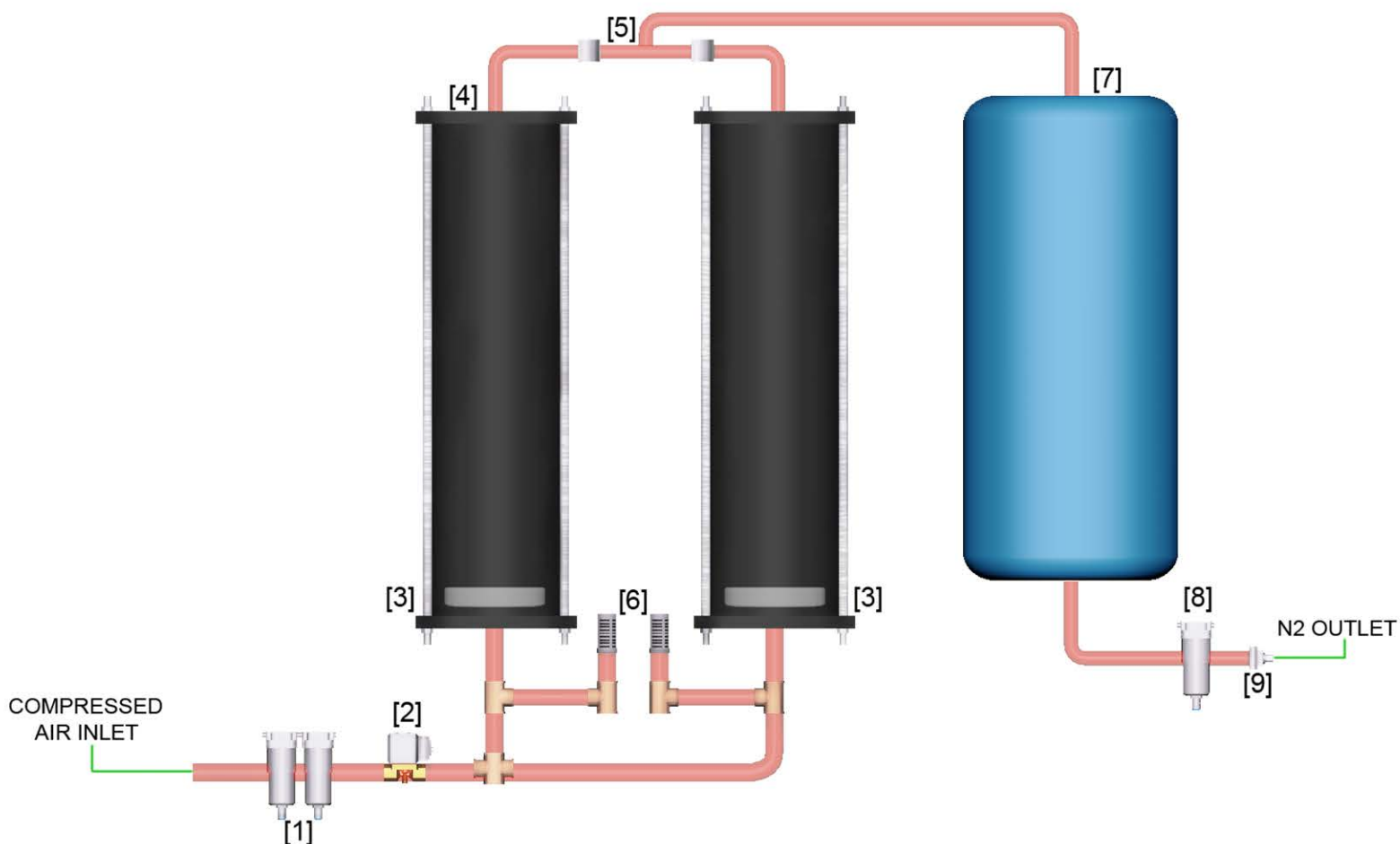


Technical Specifications

Model	Munro 40
Flow / Min	40
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

Apex Gasgen Ltd
Unit 36 Elderpark Workspace
Elderpark Street
Glasgow G51 3TR
Scotland

Tel: +44 (0) 141 530 7417
Email: karen@apexgasgenerators.com
Web: www.apexgasgenerators.com