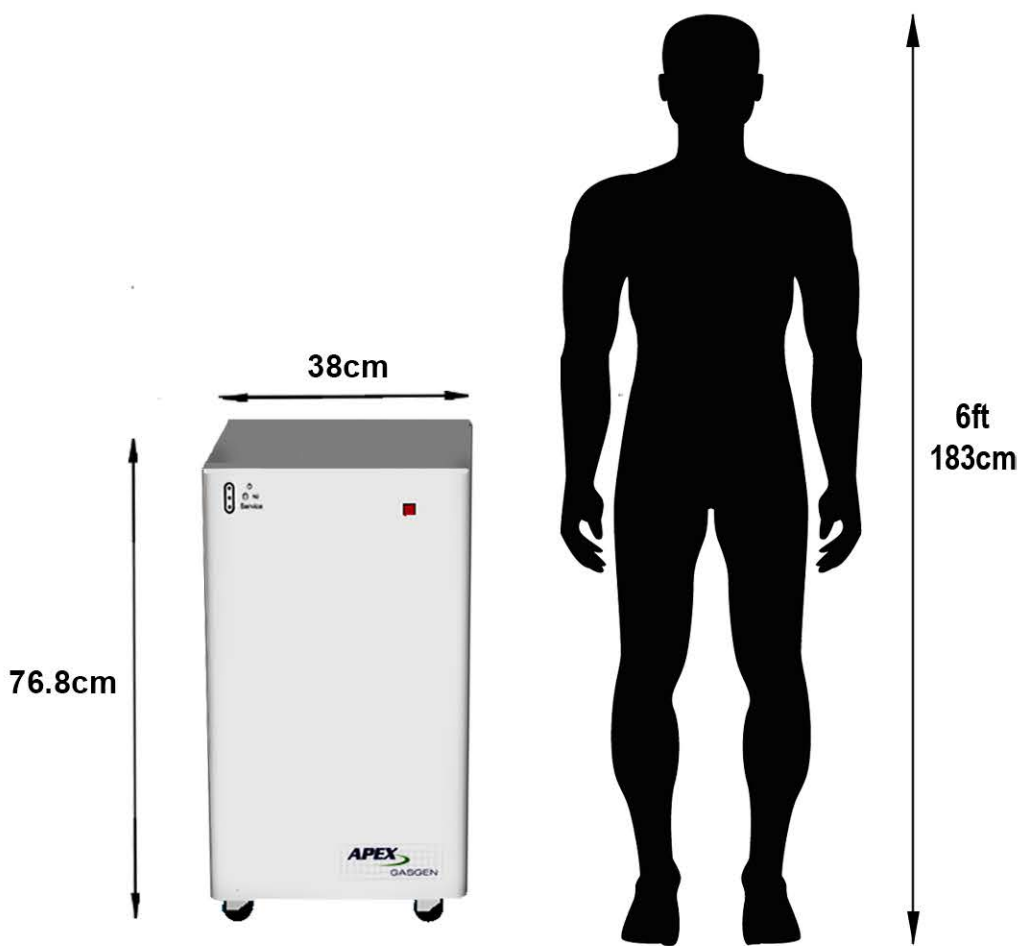




APEX

GASGEN

The Munro 15



Description

The Apex Munro Series is an extension of the Apex Nevis Range and can be used for a variety of different applications such as in the Mass Spectrometry market, drying gas & shield gas, fibre optics, packaging, special coatings and more.

The Munro Range is an economical system to run with the capability to produce nitrogen whenever it is required. The system has been designed to be discrete, efficient, and modular and can fit a variety of different sized workbenches.

Each model in the series has been manufactured using PSA (Pressure Swing Adsorption) technology to deliver a high-quality performance and consistent reliability time and time again providing you with the highest quality of nitrogen available.

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



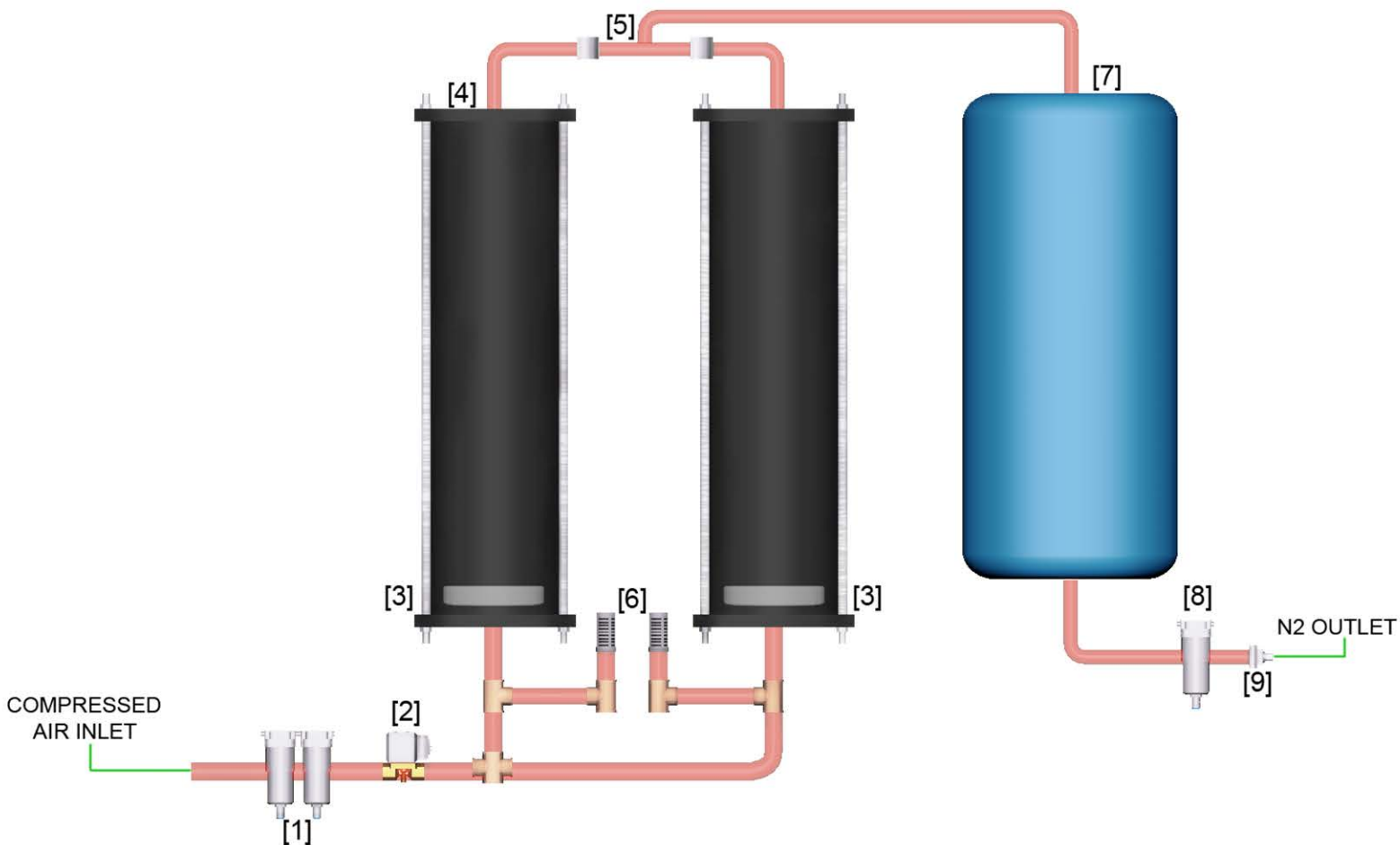


Technical Specifications

Model	Munro 15
Flow / Min	15
Dew Point (°C)	- 40
Outlet Pressure (Bar/PSIG)	6.9 / 100
Inlet Air Requirements	130 L / Min at 8 Bar / 100 PSIG
Power	8.1 W, 110 - 230 V
Depth (mm / inch)	439 / 17.3
Height (mm / inch)	768 / 30.2
Width (mm / inch)	380 / 15.0
Weight (kg / lbs)	73 / 161
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