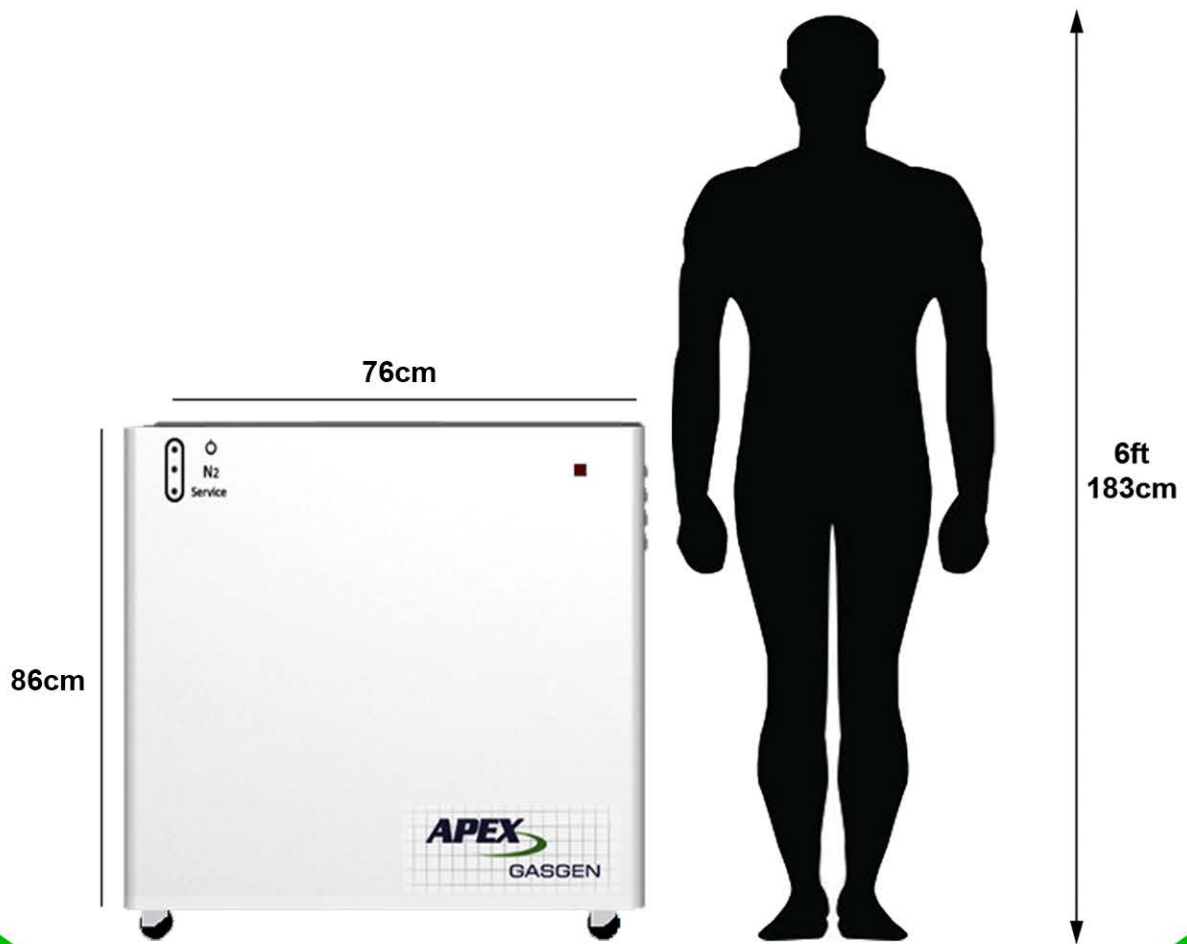




APEX

GASGEN

The Munro 15C



Description

The Apex Munro C series is a range of discrete biproke system which produces high quality pure nitrogen whenever it is required and is customisable to fit under any size of workbench

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.

The system uses Pressure Swing Adsorption (PSA) technology to provide you with the best possible performance. Not only are our machines highly reliable, but they are also safer to use at a better price and Apex offers to customise your system to your required specifications.

The Munro Series offers a wide range of models to cover a variety of applications such as Mass Spectrometry (LCMS Instruments), drying gas and shield gas, fibre optics etc. Each of Apex;s nitrogen generators can be run from an external source of compressed air.

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



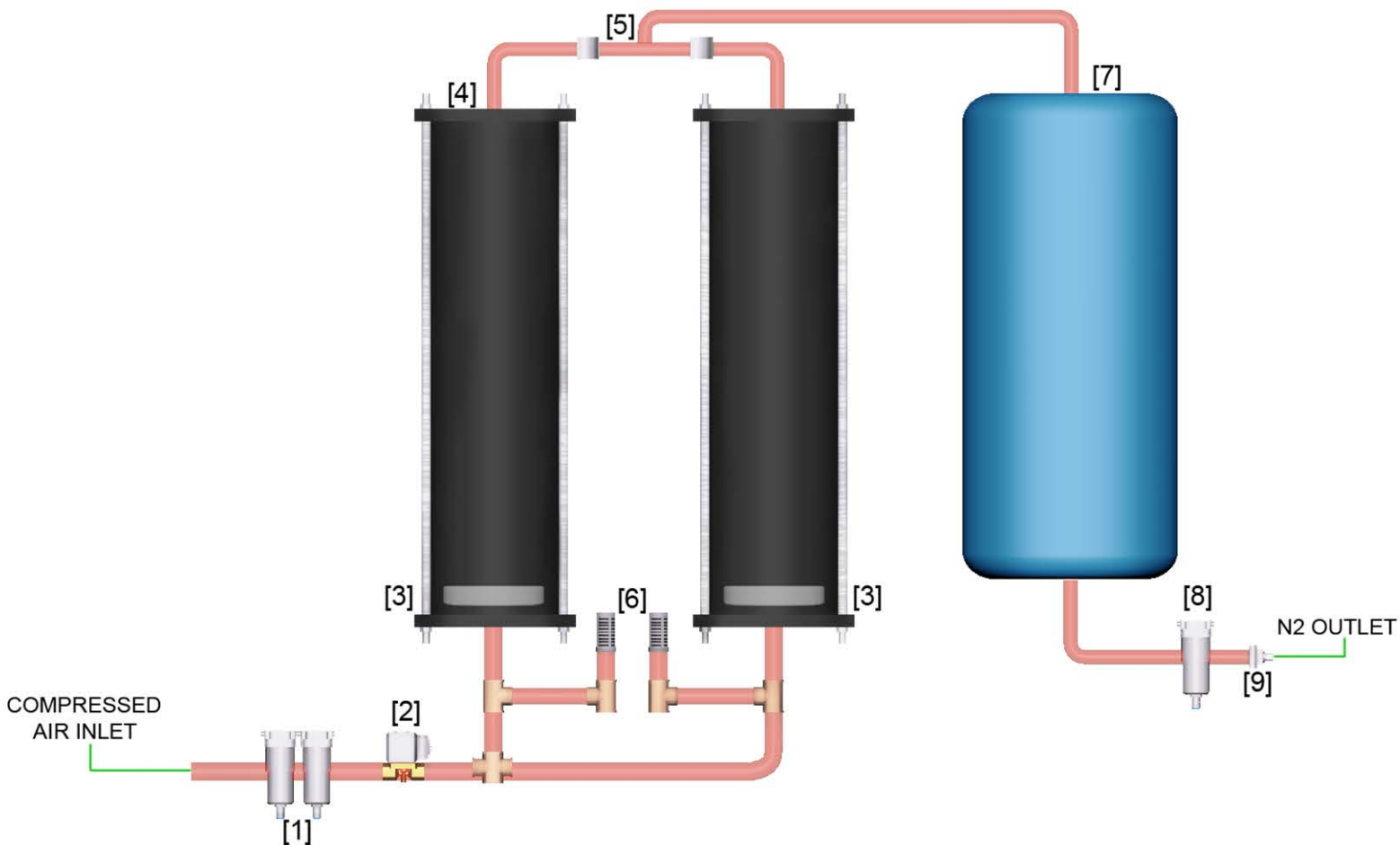


Technical Specifications

Model	Munro-15C
Flow / Min	15
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.



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