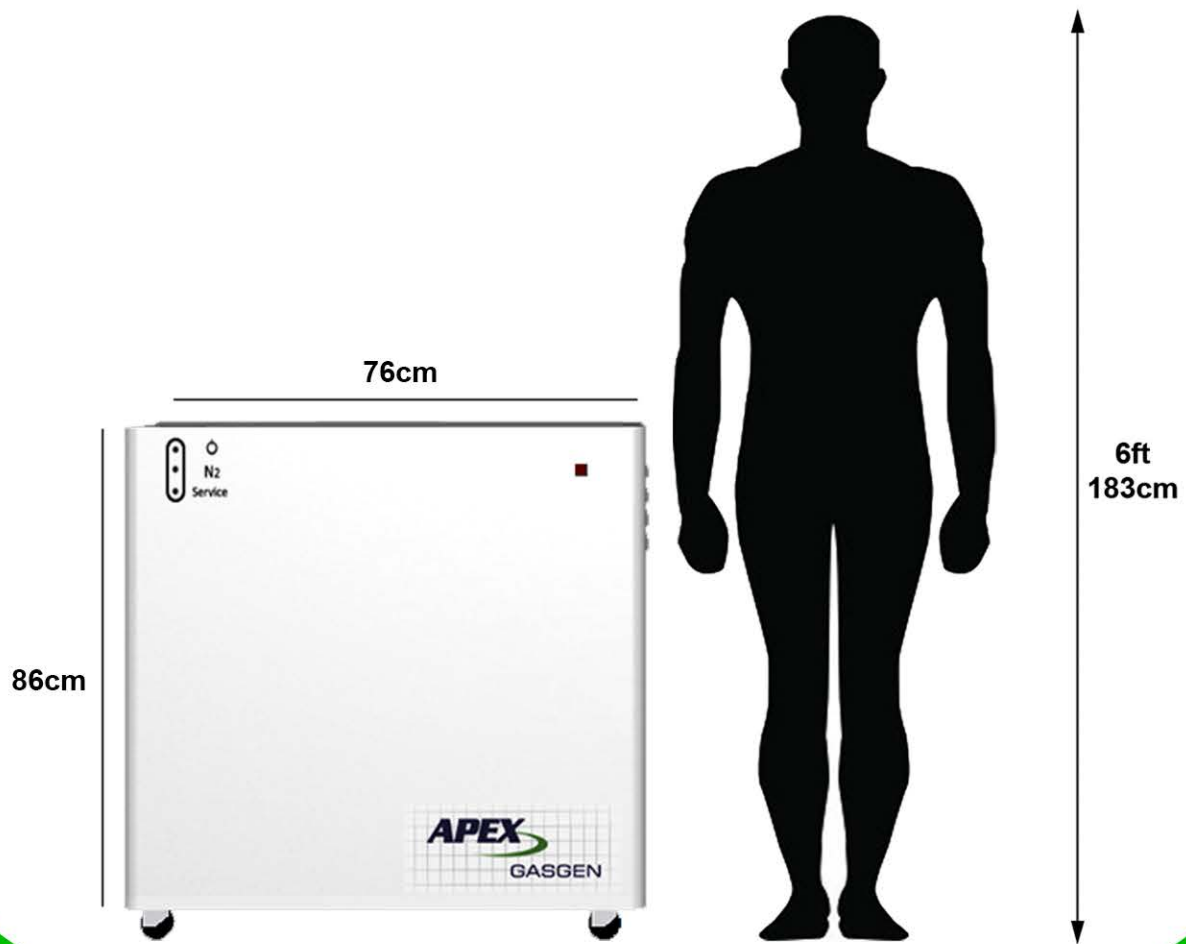




APEX

GASGEN

The Munro 20C



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 and shield gas, fibre optics, packaging, special coatings and more.

The Munro 20C is an economical system to run with the capacity 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.

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.

Each model in the series has been manufactured using Pressure Swing Adsorption (PSA) 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 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



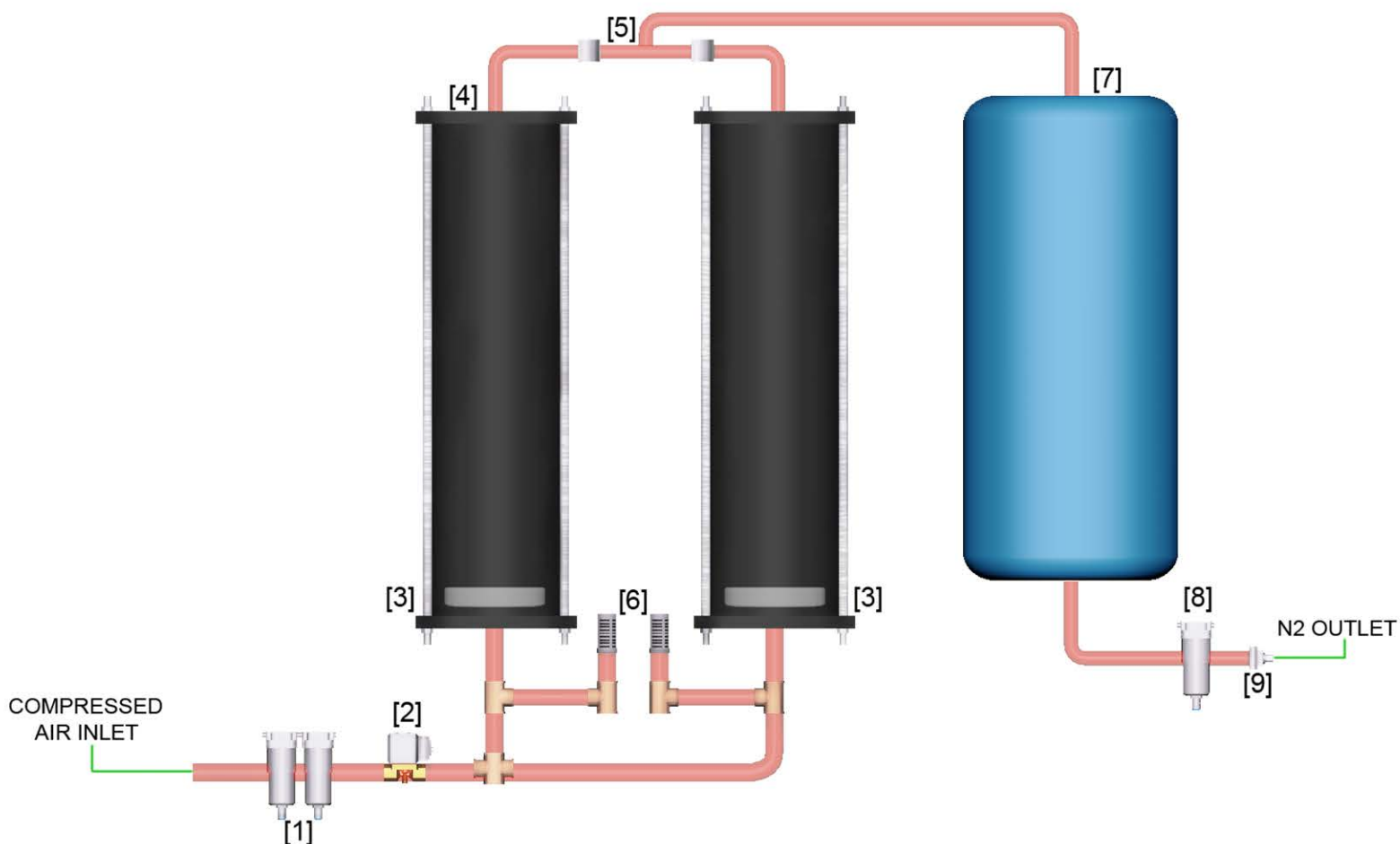


Technical Specifications

Model	Munro-20C
Flow / Min	20
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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