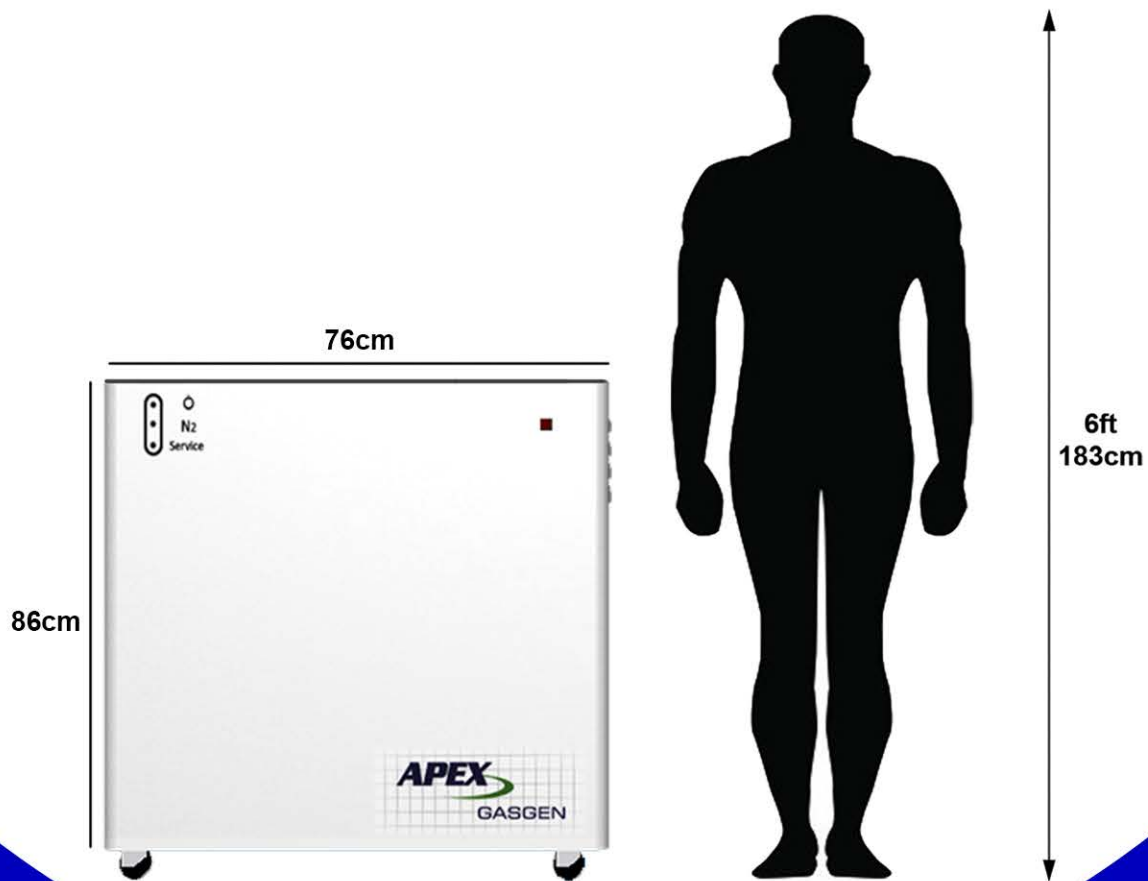




APEX

GASGEN

The Nevis 5C



Description

The Nevis 5C is part of our Nevis Series of high purity nitrogen generators, a variety of discrete, efficient and modular Nitrogen Gas Generators which are capable of producing ultra-high purity nitrogen on demand. The models in the series are also customisable to fit under 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.

All 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 can be customised to best suit your laboratories requirements in terms of flow rates, purity levels, connection ports, and more.

The Nevis 5C supplies you with high purity nitrogen as and when it is required and is manufactured using Pressure Swing Adsorption (PSA) technology which provides you with the purest form of nitrogen available in a continuous supply all at the best industrial price for your application. Apex aims to provide you with a system which offers efficiency for the ideal performance over and over again.

Features & Benefits

- Standard Flow Rates of up to 10litres/min
- Output Pressure 5.4 Barg / 80psig
- High Purity Nitrogen up to 99.9995%
- Medical Grade Tubing as Standard
- Stand-By Mode
- PSA Technology
- Built in Oil-Free Compressor to Reduce Contaminants
- Easy Installation
- Simple and Low Cost Maintenance



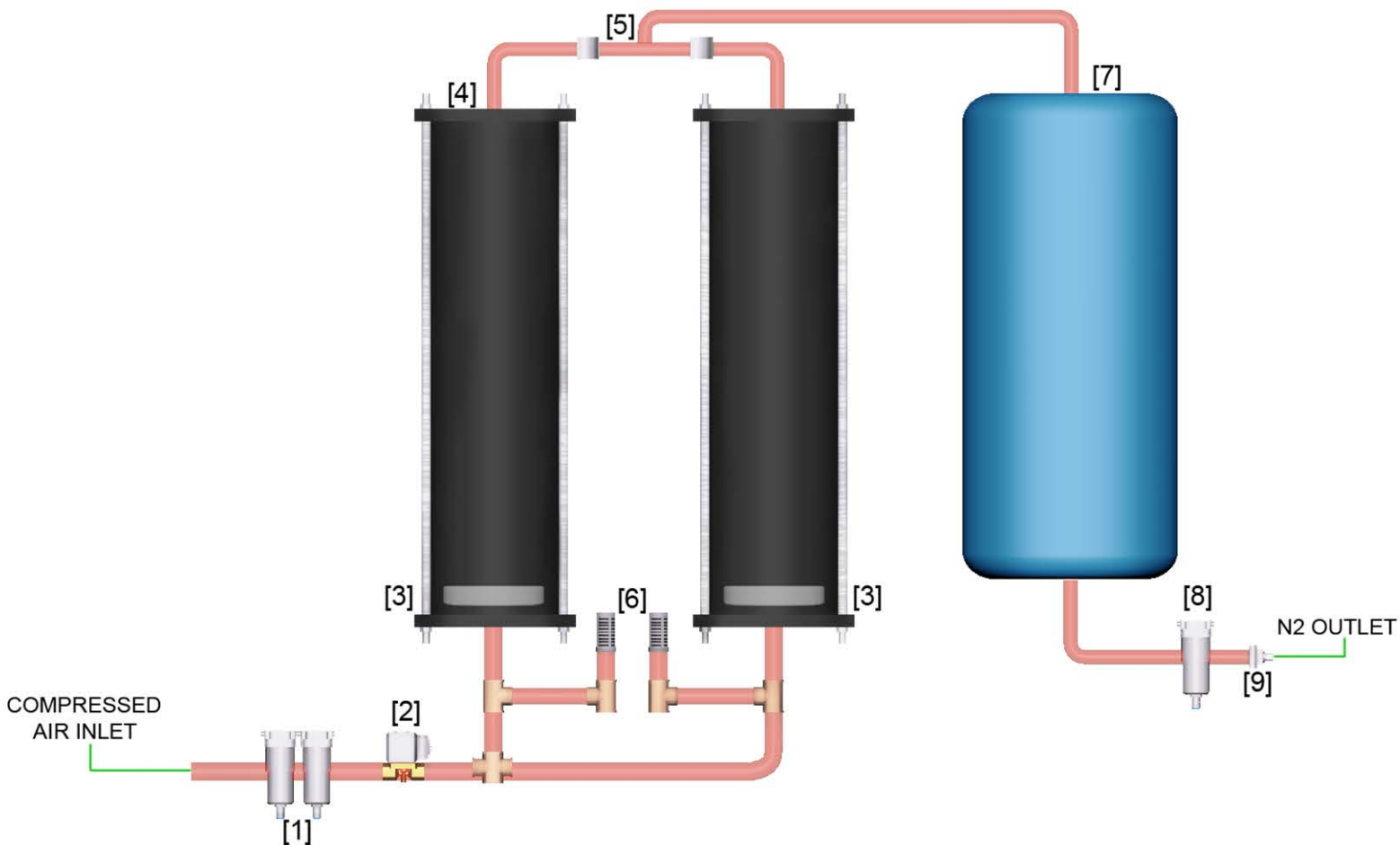


Technical Specifications

Model	Nevis-5C
Flow / Min	5
Purity (%N2)	Up to 99.9995% (5 ppm residual O2)
Dew Point (C PDP)	-40
Power Consumption (W)	1200
Voltage (V AC)	230 or 110
Depth (mm/inch)	650 / 25.6
Height (mm/inch)	860 / 33.9
Width (mm/inch)	760 / 30
Weight (kg/lbs)	60 / 132
Connection Ports	Female 1/4" BSPP
Max Altitude (m)	2000
Particulates (um)	<0.01
Lubricants	None
Output Pressure (BARG/PSIG)	5.4 / 80
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

- Vessel Leak Detection
 - Ionisation (API-ms)
- GC-FID (Carrier gas)
- GC-FID (Make-up gas)

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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