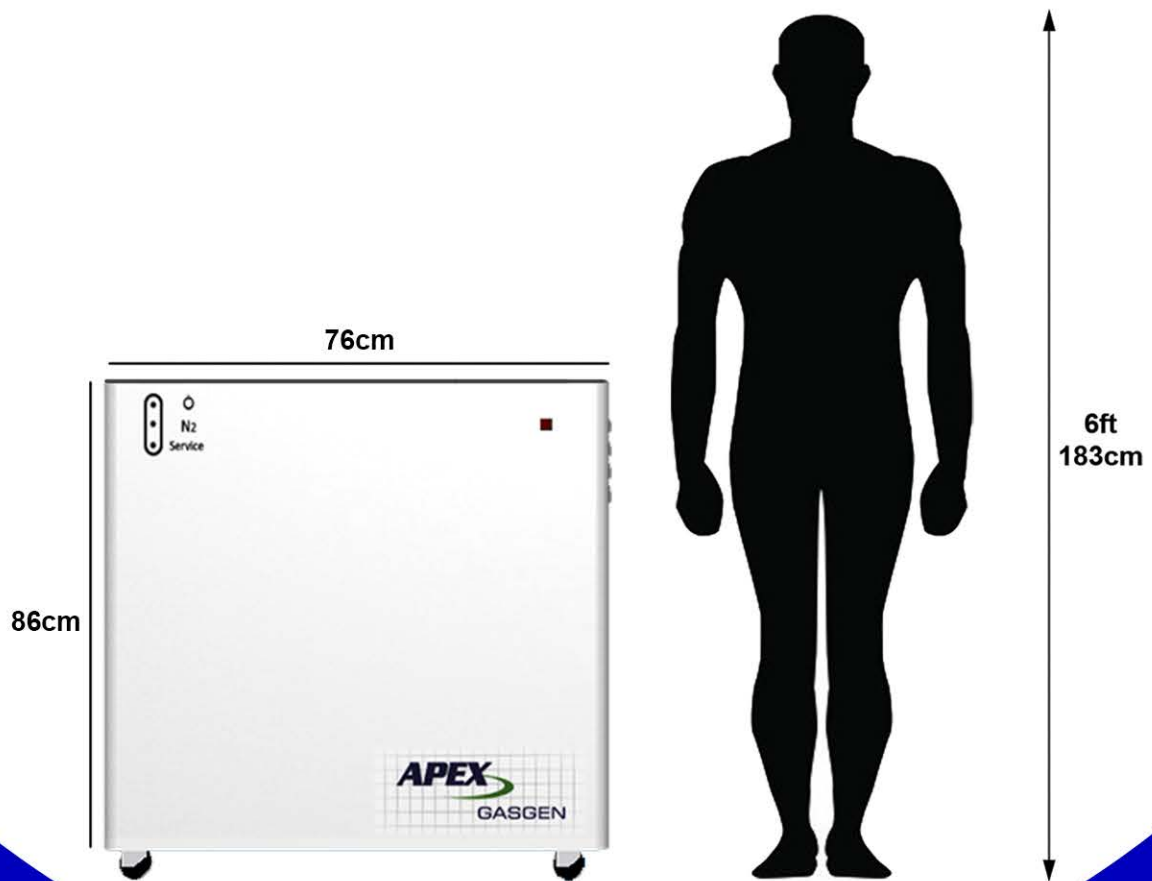




APEX

GASGEN

The Nevis 3C



Description

The Apex Nevis 3C is part of our Nevis Range, a collection of flexible state-of-the-art systems which produce high purity nitrogen as and when you require it.

All models within the range are customisable through the purity produced, flow rate and delivery pressure all according to your required specifications.

This Nitrogen Generator is a discrete, efficient and modular design manufactured using Pressure Swing Adsorption (PSA) technology to provide you with a reliable machine with a solid performance time and time again.

This collection of generators also includes options for built-in compressors and can be used to cover a wide variety of applications. The larger units within the range are also fitted with castors, which allow you to easily manoeuvre your system as you please.

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.

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



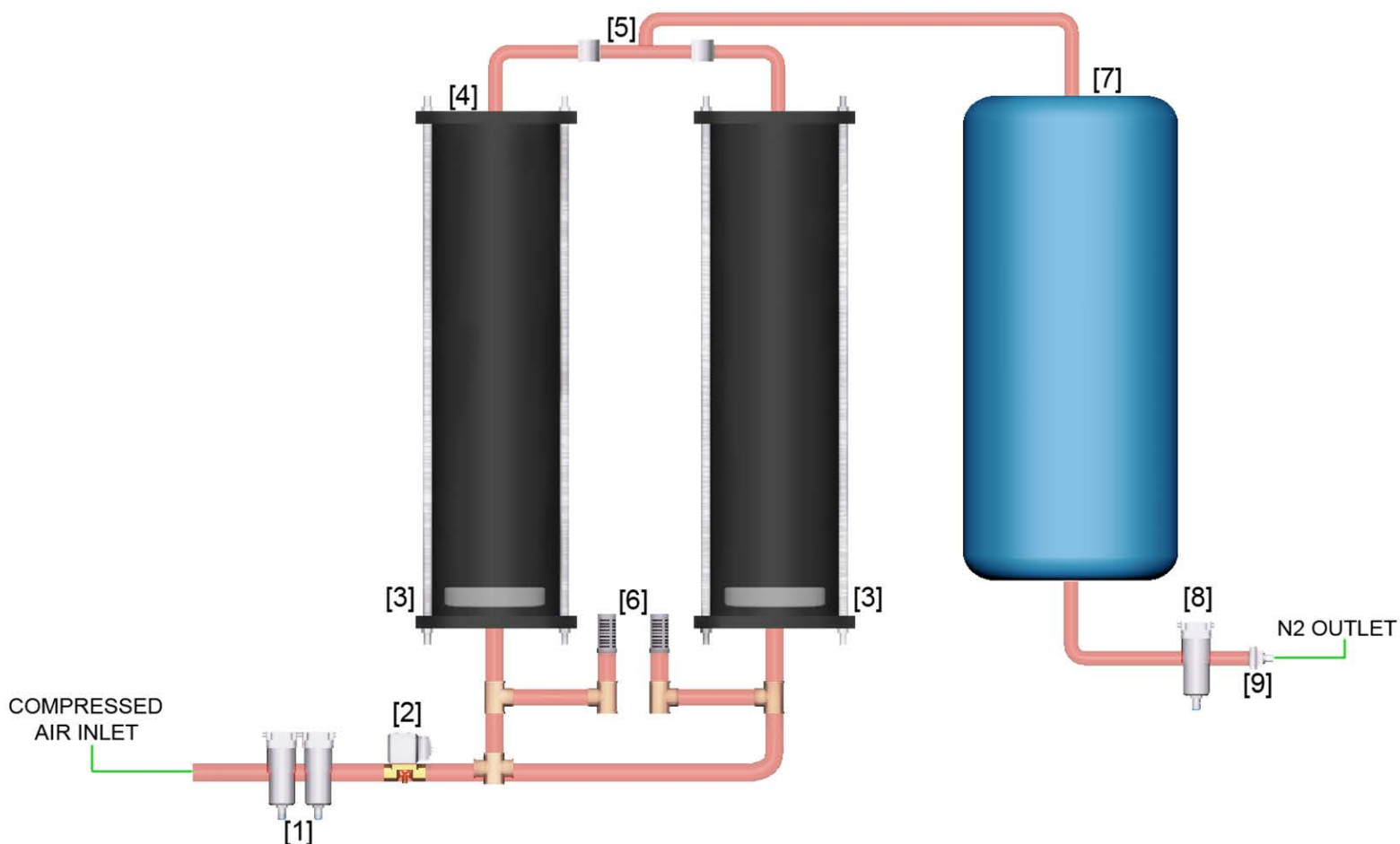


Technical Specifications

Model	Nevis-3C
Flow / Min	3
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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