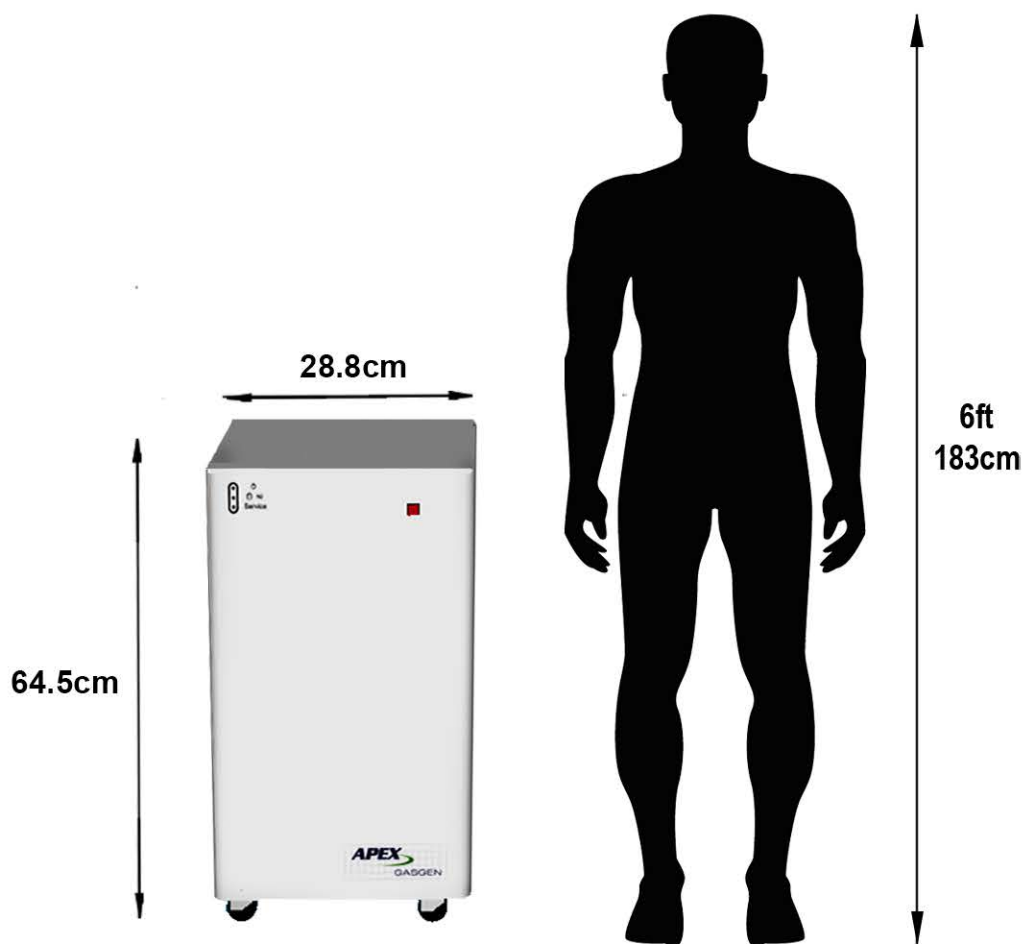


APEX
GASGEN

The Nevis 1



Description

The Apex Nevis Series is manufactured to use Pressure Swing Adsorption (PSA) technology for superior performance and reliability all for a reasonable price. Apex aims to provide you with a system which offers continuous efficiency for the ideal performance time and time again. The Nevis Series supplies you with high purity nitrogen as and when it is required.

All models within the range are mobile to allow for easy repositioning and installation.

The Nevis Series provides flexibility to match your system requirements. Here at Apex we have a team of highly skilled engineers who can customise the purity, flow rate and delivery pressure to suit your required specifications.

Features & Benefits

- Standard Flow Rates of up to 10litres/min
- Output Pressure of 5.4 Barg / 80 psig
- Up to 99.9995% High Purity Nitrogen
- Medical Grade Tuning as Standard
- Stand-By Mode
- PSA Technology
- Easy Installation
- Simple & Low Cost Maintenance



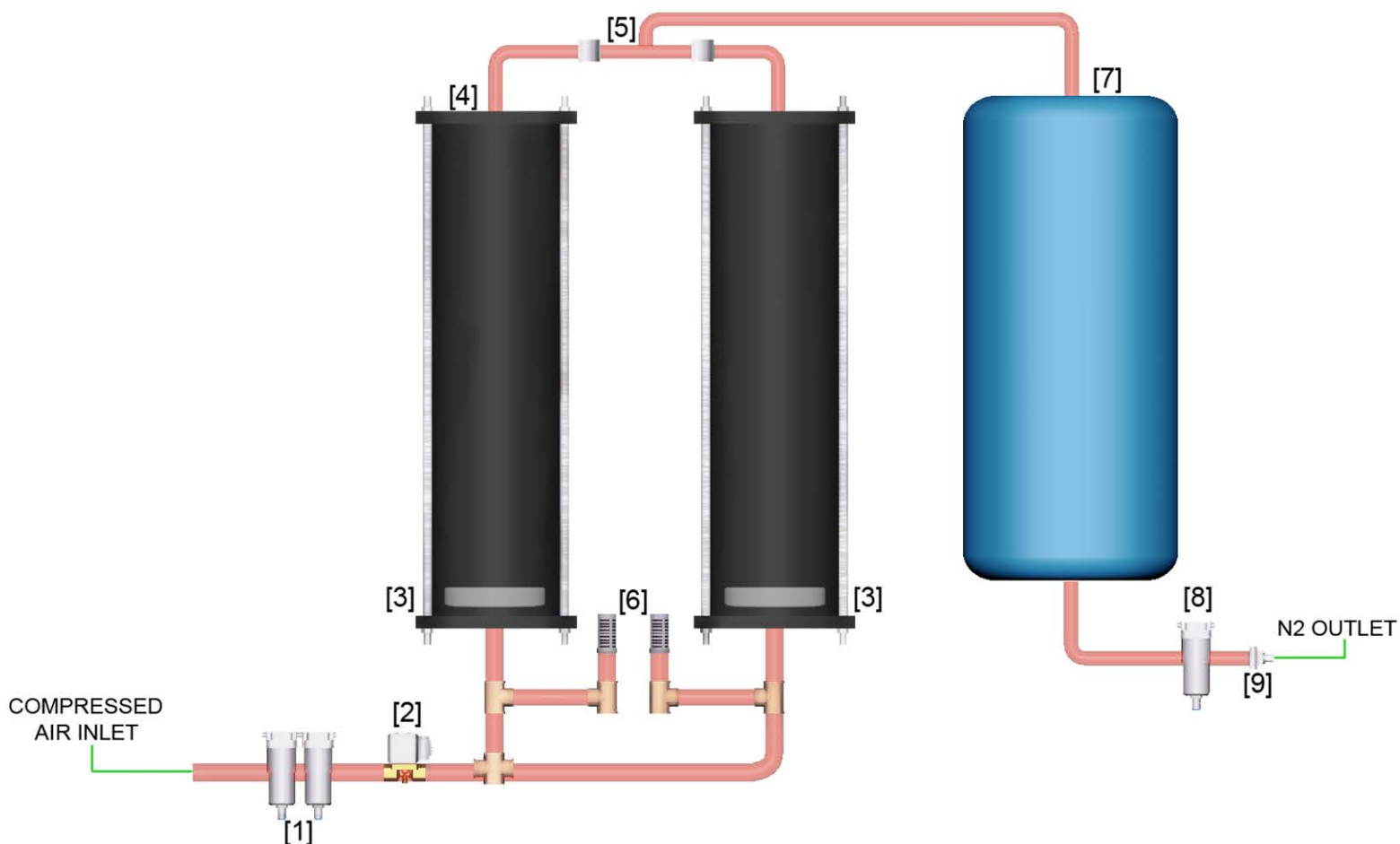


Technical Specifications

Model	Nevis 1
Flow / Min	1
Purity (% N2)	Up to 99.9995%
Dew Point (°C)	- 40
Output Pressure	5.5 / 80
Inlet Air Requirements	20 L / Min at 7 Bar / 100 PSIG
Power	8.1 W, 110 - 230 V
Depth (mm / inch)	143 / 5.6
Height (mm / inch)	645 / 25.4
Width (mm / .inch)	288 / 11.3
Weight (kg / lbs)	14.5 / 32.0
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

- 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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