

# Apex Nevis Series Nitrogen Generators

Our range of high purity and low maintenance Nitrogen Generators that offer flexibility and outputs from 1 - 10L/min

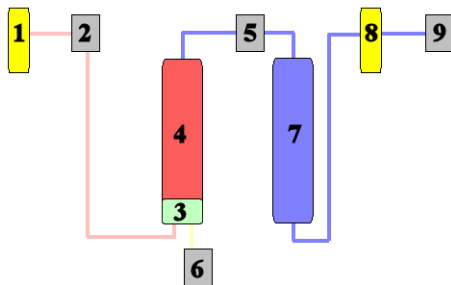
## Overview

Utilising Pressure Swing Adsorption technology the Apex Nevis series provides ideal performance, efficiency and reliability. High purity nitrogen is delivered as and when required. All models in the range are mobile to allow easy repositioning and installation under a workbench.

The Nevis series provides flexibility to match your system requirements. We can customise the purity, flow rate and delivery pressure to suit your specifications.

### Features and benefits

- Flow Rates from 1 to 10 litres/min
- High Purity nitrogen up to 99.9995%
- Stand-by Mode
- PSA technology
- Output Pressure 5.4 Barg/80 psig
- Easy Installation
- Simple maintenance



## 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, solenoid valve [2] is opened and the 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 into the reservoir [7]. After this point, the Nitrogen is allowed to flow to the application via another 0.01-micron filter [8] and pressure and flow regulators [9].

## Technical specifications

Model	Nevis 1	Nevis 2	Nevis 3	Nevis 5	Nevis 10
Flow L/min	1	2	3	5	10
Purity (% N <sub>2</sub> )	Up 99.9995% (5 ppm residual O <sub>2</sub> )				
Dew point (C PDP)	-40				
Outlet pressure (Barg/psig)	5.4/80				
Inlet air requirements	20L/min at 7 Barg / 100psig	38L/min at 7 Barg / 100psig	38L/min at 7 Barg / 100psig	38L/min at 7 Barg / 100psig	130L/min at 7 Barg / 100psig
Power without compressor	8.1W 110-230V				
Depth (mm/inch)	143 / 5.6	439 / 17.3	439 / 17.3	439 / 17.3	439 / 17.3
Height (mm/inch)	645 / 25.4	768 / 30.2	768 / 30.2	768 / 30.2	768 / 30.2
Width (mm/inch)	288 / 11.3	380 / 15.0	380 / 15.0	380 / 15.0	760 / 30.0
Weight (kg/lbs.)	14.5 / 32.0	73 / 161	73 / 161	73 / 161	146 / 322
Connection ports	Female ¼" BSPF				

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