

# APEX NEVIS C SERIES NITROGEN GENERATORS

## Features and benefits

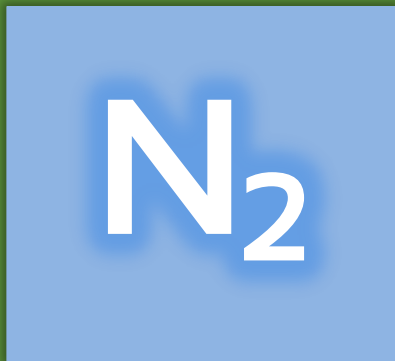
- ◇ Standard flow rates of up to 10 litres/min
- ◇ Output pressure 5.4 Barg / 80psig
- ◇ High purity Nitrogen up to 99.9995%
- ◇ Medical grade tubing as standard
- ◇ Stand-by mode
- ◇ PSA technology
- ◇ Built in oil-free compressor to reduce contaminants
- ◇ Easy installation
- ◇ Simple and low cost maintenance



## Description

Utilising Pressure Swing Adsorption technology the Apex Nevis series provides ideal performance, efficiency and reliability. High purity nitrogen is delivered as and when required. Featuring an integral Jun Air compressor each Nevis-C Generator provides a true stand-alone solution. All models in the range are mobile to allow easy repositioning and installation.

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

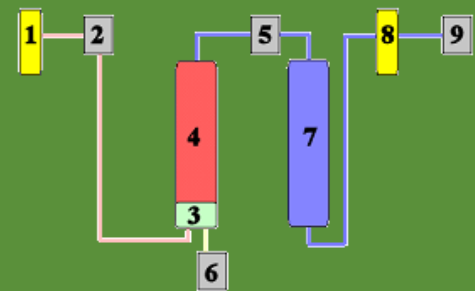


## Technical specifications:

Model	Nevis-1C	Nevis-2C	Nevis-3C	Nevis-5C	Nevis-10C
Flow /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				
Power consumption (W)	1200				2000
Voltage (V AC)	230 or 110				230
Depth (mm/inch)	650 / 25.6	650 / 25.6	650 / 25.6	650 / 25.6	650 / 25.6
Height (mm/inch)	860 / 33.9	860 / 33.9	860 / 33.9	860 / 33.9	860 / 33.9
Width (mm/inch)	450 / 17.7	760 / 30	760 / 30	760 / 30	1130 / 44.5
Weight (kg/lbs.)	40 / 88	60 / 132	60 / 132	60 / 132	155 / 342
Connection ports	Female ¼" BSPP				
Max Altitude(m)	2000				
Particulates (µm)	<0.01				
Lubricants	None				
Output pressure (bar/psi)	5.4 / 80				
Humidity	80% up to 31°C decreasing linearly to 50% at 40°C				

## How it works:

Air from the integral compressor 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].



## 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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