

Apex Nevis Desktop Nitrogen Generator

Our smallest high purity and low maintenance Nitrogen Generator that offers flexibility and output of 0.2 L/min

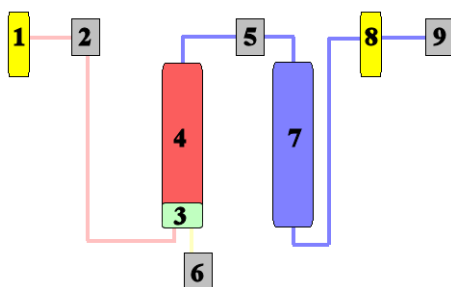
Overview

Utilising Pressure Swing Adsorption technology the Apex Nevis Desktop provides ideal performance, efficiency and reliability in the smallest foot print in the market! High purity nitrogen is delivered as and when required. The Nevis Desktop can be supplied with an integral compressor for true stand-alone operation. The small size of the generator allows it to be easily accommodated on top of a workbench.

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

Features and benefits

- Optimal Flow Rate of 0.2 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 either from an external source or 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].

Technical specifications

Model	Nevis Desktop	Nevis Desktop C
Flow (L/min)	0.2	
Purity (% N ₂)	Up 99.9995% (5 ppm residual O ₂)	
Dew point (C PDP)	-40	
Outlet pressure (Barg/psig)	5.4/80	
Inlet air requirements	8L/min at 7 Barg / 100psig	N/A
Power	12W 110-230V	112W 110-230V
Depth (mm/inch)	214 / 8.4	
Height (mm/inch)	480 / 18.9	
Width (mm/inch)	180 / 7.1	
Weight (kg/lbs.)	10 / 22	12 / 26
Connection ports	Female 1/8" BSPP	

Whilst the Nevis Desktop is designed to provide high purity Nitrogen at its optimal flow rate it can be set up to provide higher flow rates at greatly reduced purity levels as indicated here:

Purity (% N ₂)	Flow (L/min)	Outlet pressure (Barg/psig)
99.99%	0.3	4.5 / 65
99.95%	0.4	4.0 / 58
99.8%	0.5	3.8 / 55
99.7%	1	2.0 / 29

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