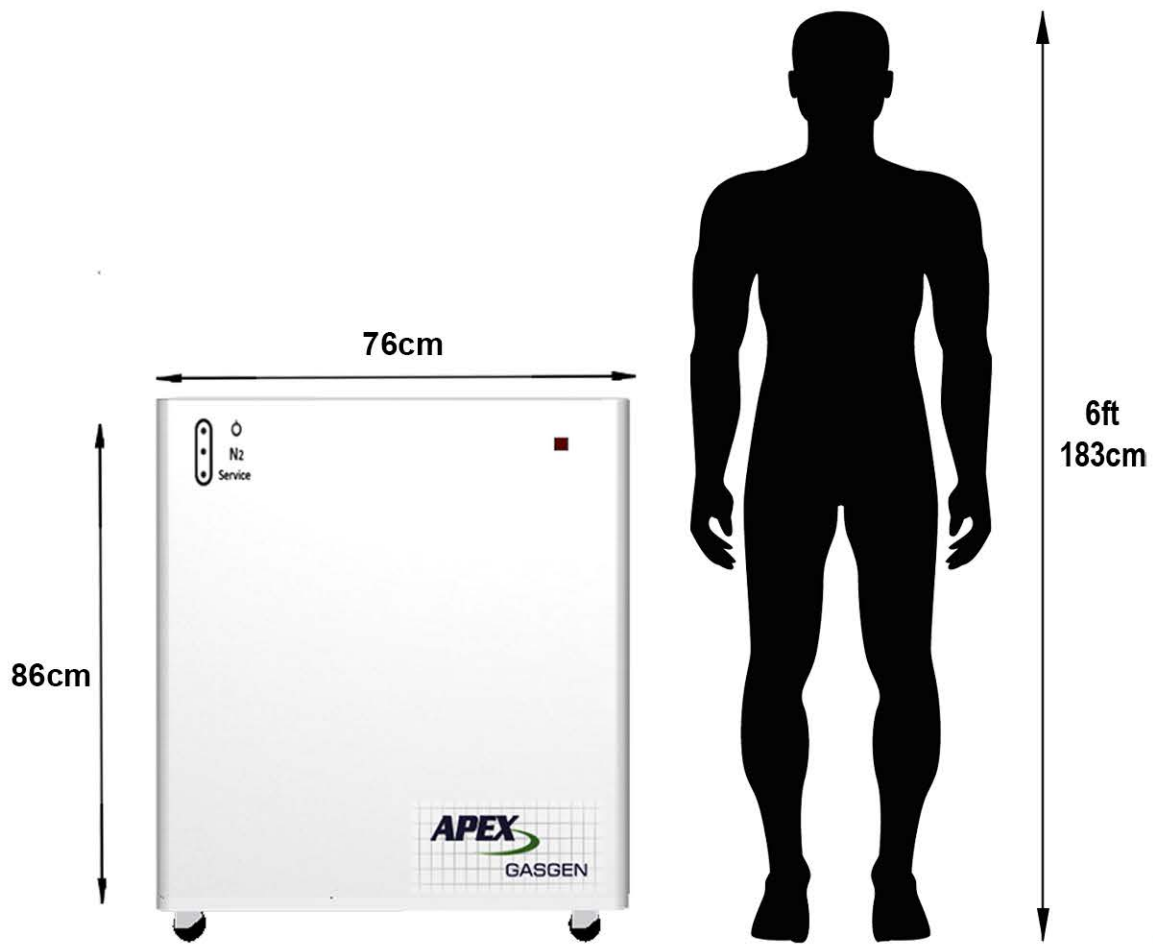




APEX

GASGEN

The Munro 30H



Description

The Munro 30H is a highly capable and modular system which produces one of the purest flows of nitrogen on the market whenever it is required. The system uses Pressure Swing Adsorption technology to separate your required gas from a mixture of gases and provides you with top quality performance time and time again at a reasonable price.

The system is usable in a wide variety of applications such as drying gas, shield gas, fibre optics but is particularly efficient in the Mass Spectrometry market, however Apex is able to provide you with a customisable machine specially designed to meet your required specifications.

Each high purity nitrogen generator in the series can be run from an external source of compressed air or can be built with an integral compressor. Using an external air source air will provide almost silent operation. An integral compressor allows the system to run as a complete stand-alone solution.

Features & Benefits

- Standard flow rates of up to 60litres/min
- Output pressure 7 Barg / 100psig
- Certified purity level >95%
- Medical grade tubing as standard
- Stand-by mode
- PSA technology
- Easy installation
- Simple and low cost maintenance
- Integrated air compressor available



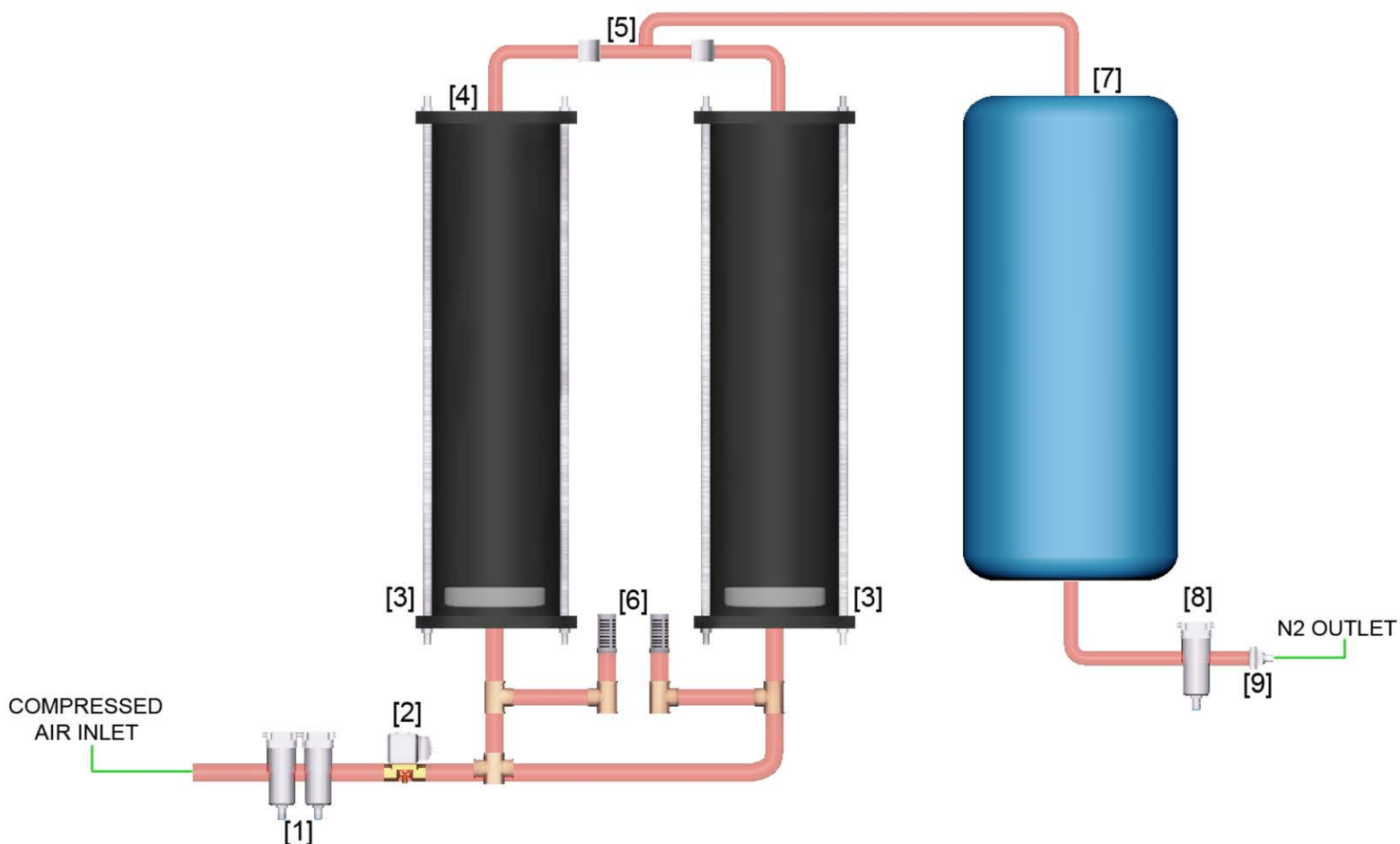


Technical Specifications

Model	Munro 30H
Flow / Min	30
Dew Point (°C)	- 40
Outlet Pressure (Bar/PSIG)	6.9 / 100
Inlet Air Requirements	260 L / Min at 8 Bar / 100 PSIG
Power	8.1 W, 110 - 230 V
Depth (mm / inch)	650 / 25.6
Height (mm / inch)	860 / 33.9
Width (mm / .inch)	760 / 30
Weight (kg / lbs)	132 / 291
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

- Mass Spectrometry (LCMS instruments)
- Drying Gas & Shield Gas
 - Fibre Optics
- Blanket gas for Ovens
 - Special Coatings
 - Wave Soldering
 - Packaging

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.



Contact Details

Apex Gasgen Ltd
Unit 36 Elderpark Workspace
Elderpark Street
Glasgow G51 3TR
Scotland

Tel: +44 (0) 141 530 7417
Email: karen@apexgasgenerators.com
Web: www.apexgasgenerators.com