

Apex Munro-C Series Nitrogen Generators

Our range of High flow Nitrogen Generators with integral compressors specifically designed to support LCMS applications and offer outputs of 15-60L/min

Overview

Utilising Pressure Swing Adsorption technology the Apex Munro series provides ideal performance, efficiency and reliability specifically designed for LCMS applications. High flow rate Nitrogen is delivered as required. Featuring an integral Jun Air compressor each Munro-C Generator provides true stand-alone operation. Most models are mobile to allow easy repositioning and installation under a workbench

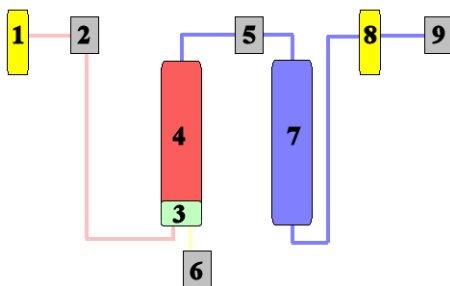
The Munro series provides flexibility to match your system requirements. We can customise the purity, flow rate and delivery pressure to suit your specifications.

Features and benefits

- Flow Rates from 15 to 60 litres/min
- Stand-by Mode
- Integral Jun Air compressors
- PSA technology
- Output Pressure 7 Barg/100 psig
- Easy Installation
- Simple maintenance
- Low power requirements

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].



Technical specifications

Model	Munro 15	Munro 20	Munro 30	Munro 30HP	Munro 40	Munro 60
Flow L/min	15	20	30	30	40	60
Dew point (c PDP)	-40 C					
Outlet pressure	7Barg / 100psig					
Power with compressor	2kW 110 or 230V			4kW 110 or 230V		
Depth (mm/inch)	650 / 25.6	650 / 25.6	650 / 25.6	780 / 30.7	780 / 30.7	780 / 30.7
Height (mm/inch)	860 / 33.9	860 / 33.9	860 / 33.9	860 / 33.9	860 / 33.9	860 / 33.9
Width (mm/inch)	890 / 35	890 / 35	890 / 35	1400 / 55.1	1400 / 55.1	1400 / 55.1
Weight (kg/lbs.)	100 / 220	100 / 220	100 / 220	240 / 530	240 / 530	240 / 530
Connection ports	Female ¼" BSPP					

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