

i-FlowLab 6XX1 nitrogen generator

Application: Genius (1)

Part number: 20-6011 | 20-6021 | 20-6031 | 20-6041 | 20-6051 | 20-6061 | 20-6071 | 20-6081 | 20-6091 | 20-6101



Description

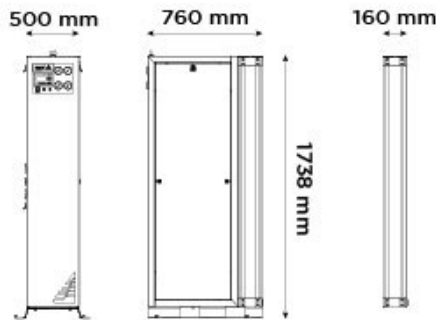
i-FlowLab is a total laboratory on-site nitrogen gas solution for customers with high flow demands or high purity applications and is capable of delivering a consistent & reliable supply of gas on-demand.

Engineered based on robust PSA technology, i-FlowLab 6XX1 nitrogen generators are available in over 100 pre-configured specifications, designed to suit the full and varying demands of your facility, with flow rates ranging from 116-4253 L/min at purities up to 99.5%.

Modular & scalable, i-FlowLab is designed as a future-proof solution, with the ability to be expanded retrospectively, with the addition of CMS columns, in order to increase capacity and accommodate future growth in requirements.

i-FlowLab is an ideal complete laboratory solution for multiple applications, such as LC-MS, Sample Preparation, Gloveboxes and many more.

- **Gas types** Nitrogen
- **Integrated compressor:** No
- **Application Types:** Multiple LC-MS, Sample Preparation, Glovebox, Fume Hoods, NMR & more



Key Features

- Cost effective, total laboratory nitrogen gas supply solution
- Consistent & reliable, always available on-demand to meet application needs
- Energy efficient, with low ongoing running costs & minimal maintenance
- Scalable & future-proof design, with ability to expand capacity by adding more CMS columns
- Safe and convenient, no more manual handling or on-site health & safety concerns
- Verified industry standards compliance (EIGA, European Pharmacopoeia, JECFA & US FDA)
- Build-in oxygen analyzer, for continuous, real time monitoring of nitrogen purity & quality
- Optional purity safeguard, auto-bypass feature for purity critical applications
- Take complete control of your costs & nitrogen gas requirements, by bringing your supply in-house
- Eliminate the need for gas cylinders, LN2 dewars /micro-bulk deliveries or large bulk liquid trucking
- Reduce your on-site carbon footprint & become a self-reliant and sustainable operation

Technical Specifications

	i-FlowLab 6XX1 nitrogen generator
Gas Type	Nitrogen
Max Gas Flow:	4253L/min
Max Output Pressure:	130psi/9bar
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Max Purity:	99.5%
Max Inlet Pressure:	145psi/10bar
Min Air Inlet Flow:	Dependent on required flow rate
Min Inlet Air Quality:	ISO 8573-1:2010 Class 1.4.1
Start Up Time:	Dependent on model
Power Consumption:	250 Watts
Voltage:	100-230 ± 10% VAC
Frequency:	50 / 60 Hz
Current:	2.0-1.0 Amp
Max Operating Temp:	50°C / 122°F
Particles:	<0.01µm
Noise Level:	59dBa @1m
Accreditations:	CSA, CE
Size (HxWxD) mm	1738 x 500 x 760 mm
Size (HxWxD) Inches	68.4 x 19.7 x 29.9 inches
Generator Weight	197kg / 433.4lbs

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Peak Scientific gas generators define the benchmark in reliability, convenience and performance in laboratories around the world, and come backed with a 12 month warranty. Beyond this period however you can ensure that your investment continues to be **[Protected]** by our comprehensive generator care cover.

Our world-class aftercare support packages deliver a program of scheduled preventative maintenance whilst giving you the reassurance of instant access to worldwide technical support and priority on-site response in the untimely event of a breakdown.

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