

# i-FlowLab 6XX1

Scalable, high-flow, nitrogen generation solution for laboratories

Part Number : See back page

Service Kit : Contact us for details



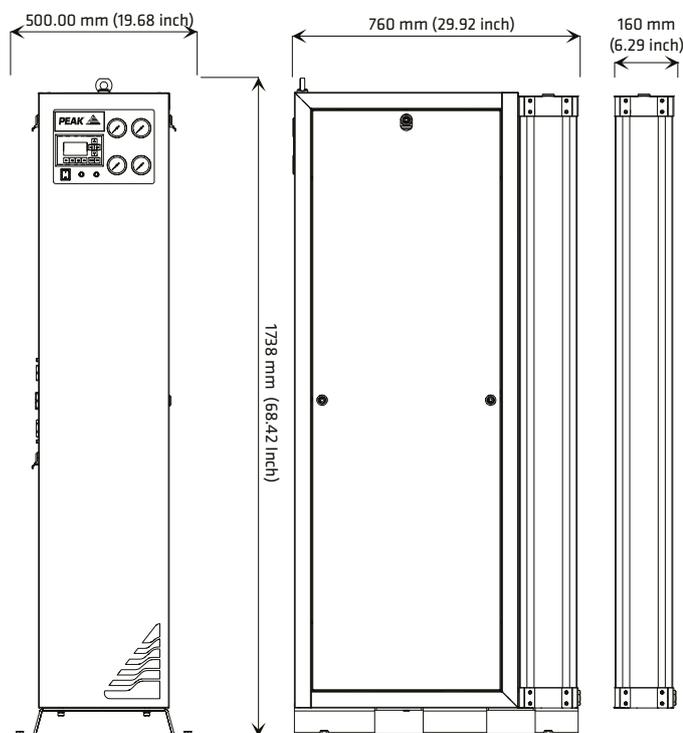
## Description

i-FlowLab nitrogen generators have been engineered by Peak Scientific gas generation specialists to meet the supply needs of laboratories which require a large capacity, on-site nitrogen supply. Harnessing the latest gas purification technologies i-FlowLab 6XX1 removes oxygen from air, delivering nitrogen at flow rates from 155 l/min to 3402 l/min. Available in over 100 pre-configured flow and purity specifications, i-FlowLab is modular with the option to add columns to increase the flow rate as your nitrogen requirements grow.

The 6XX1 range measures generator purity output as oxygen content in percentage, as opposed to its 6XX2 counterpart which measures oxygen content in ppm. Integrated with the compressed air pre-filtration system, PureAir, ensures the highest quality nitrogen output by cleaning air before it enters the i-FlowLab generator.

## Applications

- Multiple LC-MS instruments
- FT-IR/Glove Boxes/TOC
- Sample Concentrators
- Larger scale laboratories
- Whole lab solution



i-FlowLab 6XX1 Dimensions

## Key Features

- Oxygen Analyzer provides continuous real-time monitoring of purity produced in %
- Modular design allowing for columns to be added as your requirements grow
- Sustainable on-site gas generation, no need for storage of high volumes of bulk gas supply
- Consistent gas purity, so no fluctuations as can be experienced with bulk gas storage
- Minimal maintenance, only scheduled preventative maintenance required to ensure long life and performance of the system
- A safer solution with no storing of highly pressurized gas on-site
- Remote monitoring, Live product status information at your fingertips, wherever you are
- Reduce carbon footprint by removing the requirement for bulk gas supply delivery
- Comprehensive installation including compressed air supply, pipework, pre-filtration system, nitrogen generator and storage

## Technical Specifications

	LPM *									
Product Name	6011	6021	6031	6041	6051	6061	6071	6081	6091	6101
Oxygen Content - 0.50%	155	305	450	585	730	874	1015	1160	1300	1450
Oxygen Content - 1%	190	380	530	725	885	1062	1238	1415	1574	1748
Oxygen Content - 2%	245	490	665	845	1065	1280	1480	1685	1885	2090
Oxygen Content - 3%	305	578	810	1025	1278	1574	1815	2065	2330	2580
Oxygen Content - 4%	362	651	915	1115	1420	1704	1988	2272	2556	2840
Oxygen Content - 5%	402	750	1100	1385	1649	2045	2478	2778	3045	3402
Voltage	100-240 VAC +/- 10%									
Frequency	50/60 Hz									
Current	2.0 - 1.0 Amp									
Input Connection	C20 Plug									
Power Cord (Supplied)	C19 Socket to local connection									
Power Consumption	250 Watts									
Operating Temperature	5°C - 50°C / 41°F - 122°F									
Pollution Degree	2									
Installation Category	II									
Width mm (inch)	500 (19.68)									
Height mm (inch)	1738 (68.42)									
Depth mm (inch)	760 (29.92)	920 (36.22)	1080 (42.52)	1240 (42.52)	1400 (55.12)	1560 (61.42)	1720 (67.72)	1880 (74.02)	2040 (80.31)	2200 (86.61)
Weight kg (lbs)	197 (433)	282 (620)	367 (807)	452 (994)	537 (1181)	622 (1368)	707 (1555)	792 (1742)	877 (1929)	962 (2116)
Shipping weight kg (lbs)	277 (609)	364 (801)	452 (992)	538 (1184)	625 (1375)	712 (1566)	799 (1758)	886 (1949)	973 (2141)	1060 (2333)
Noise Level	59dBa @ 1m									

\*Performance data is based on 7 bar (G) inlet air pressure and 20 - 25 deg C ambient temperature.

(Flow reference conditions, 20 deg C, 1013 millibar (a), 0% Relative Humidity)

## Ordering Information

Part Number	20-6011	20-6021	20-6031	20-6041	20-6051	20-6061	20-6071	20-6081	20-6091	20-6101
Service Kit	08-0318					08-0319				
Complete Plan	09-3705					09-3706				

## [PEAK Protected]<sup>TM</sup>

Peak Scientific gas generators define the benchmark in reliability, convenience and performance in laboratories around the world, and come backed by 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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Peak Scientific's Quality Management System conforms to: ISO:9001:2008



## Product Certifications

