

i-FlowLab Prime 7XX1 laboratory nitrogen supply

Part number: 3304451 | 3304452 |
3304453 | 3304454 | 3304455 |
3304456 | 3304457 | 3304458 |
3304459 | 3304460



Description

i-Flow Prime nitrogen generators have been engineered by PEAK's gas generation specialists to meet the total nitrogen supply needs of manufacturing and processing facilities. Harnessing the latest gas purification technologies, i-Flow Prime delivers nitrogen at flow rates from 0.76-268.32 M3/h* and is available in over 100 pre-configured flow and purity specifications. i-Flow is a modular and scalable design with the option to increase the flow rate retrospectively as your nitrogen requirements grow.

The 7XX1 range includes an oxygen analyzer which provides real-time purity monitoring as a percentage. i-Flow Prime also comes with our built-in PurityGuard™ gas monitoring, application safeguard system and integrated air filtration for additional peace of mind.



Application Types

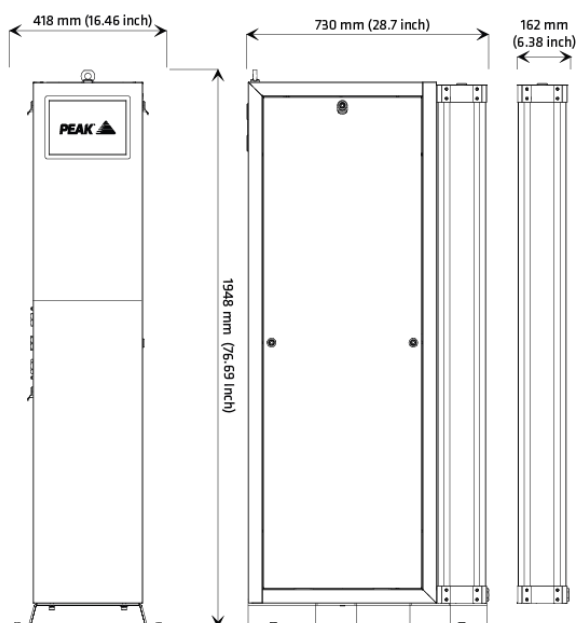
Multiple LC-MS, Sample Preparation, Glovebox, Fume Hoods, NMR & more

Generator Details

- **Gas types:** Nitrogen
- **Integrated compressor:** No

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, EC Food Grade, European Pharmacopoeia, JECFA & US FDA)
- Built-in oxygen analyzer, for continuous, real time monitoring of nitrogen purity & quality
- Optional purity safeguard, auto-bypass feature for purity critical applications
- i-Flow generators come ready with remote control & monitoring systems, along with optional interfaces for live status tracking & BMS integration
- 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

[**PEAK** Protected]TM

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.

- For ordering parts visit: www.peakscientific.com/ordering/
- For service plans visit: www.peakscientific.com/service/service-plans/

Peak Scientific UK
Tel: +44 (0)141 812 8100
Fax: +44 (0)141 812 8200

Peak Scientific North America
Tel: +1-800-767-6532
Fax: +1-978-608-9503

Peak Scientific China
Tel: +86 21 5079 1190
Fax: +86 21 5079 1191
For a full list of our worldwide
office locations, please visit:
Web: www.peakscientific.com
Email: discover@peakscientific.com

Peak Scientific's Quality Management System conforms to: ISO:9001



Technical Specifications

i-FlowLab Prime 7XX1 laboratory nitrogen supply

Gas Type	Nitrogen
Max Gas Flow:	4472L/min
Max Purity:	99.5%
Max Inlet Pressure:	167psi/11.5bar
Min Air Inlet Flow:	Dependent on required flow rate
Min Inlet Air Quality:	ISO 8573-1:2010 Class 2.4.1
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	1948 x 418 x 730 mm
Size (HxWxD) Inches	76.7 x 16.5 x 28.7 inches
Generator Weight	179kg / 393.8lbs

[**PEAK** Protected]TM

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.

- For ordering parts visit: www.peakscientific.com/ordering/
- For service plans visit: www.peakscientific.com/service/service-plans/

Peak Scientific UK
Tel: +44 (0)141 812 8100
Fax: +44 (0)141 812 8200

Peak Scientific North America
Tel: +1-800-767-6532
Fax: +1-978-608-9503

Peak Scientific China
Tel: +86 21 5079 1190
Fax: +86 21 5079 1191
For a full list of our worldwide office locations, please visit:
Web: www.peakscientific.com
Email: discover@peakscientific.com

Peak Scientific's Quality Management System conforms to: ISO:9001

