

i-Flow Select N2 Skid System

Gas generation solution for food processing & packaging industries

Part Number : See back page

Service Kit : Contact us for details



Description

The i-Flow Select Nitrogen Skid System is an all-in-one nitrogen supply solution engineered to produce food grade nitrogen gas for use in the food & beverage processing and packaging industry. Using the latest air filtration & gas purification technologies, i-Flow Select is capable of delivering flow rates from 105 L/min to 635 L/min* across 5 different skid models and 15 pre-configured output specifications. Compact & modular in design, i-Flow Select's portable footprint allows for greater flexibility around installation & deployment, as well as the ability to add capacity retrospectively, to accommodate any future growth in nitrogen demands.

i-Flow Select models include the best in class, advanced compressed air treatment & filtration technologies, for effective removal of contaminants, accumulated condensate & any potential oils or vapours, helping to ensure only the cleanest, driest & highest quality of food grade nitrogen is supplied to your application.

* Output flowrate is dependent on input parameters and model configuration.

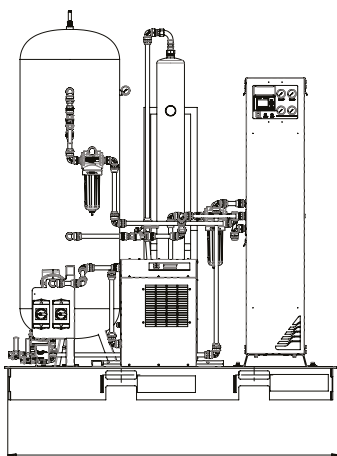


Applications

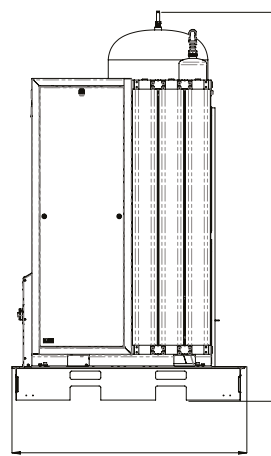
- Modified Atmosphere Packaging or 'Gas flushing'
- Wine making, bottling & production
- Food & Beverage Processing
- Controlled Atmosphere Storage

Key Features

- **All-in-one solution** - A complete nitrogen generation system, including air filtration, piping, tank & generator - all mounted on a compact, convenient & pallet sized metal skid.
- **Economical & sustainable** - A cost effective solution that eliminates the need for bulk nitrogen gas delivery forever.
- **Compact & portable** - The i-Flow Select nitrogen skid is a compact solution with fixed footprint, designed for easy installation, maintenance & can be moved retrospectively, as required.
- **Energy saving technology** - An innovative 'Standby-mode' ensures the lowest running costs by automatically managing output, based on your daily demands.
- **Bypass safeguard** - i-Flow Select built-in gas failsafe system, PurityGuard™, ensures only the highest quality N2 is delivered to your application.
- **Food grade industry compliance** - Independently tested & verified to exceed the standards of EIGA, EC Food Grade, JECFA & US FDA (CFR Title 21).
- **High quality engineering** - Manufactured & assembled in our ISO 9001 certified facility, the i-Flow Select nitrogen skid is extremely robust & requires very little daily supervision or ongoing maintenance.



2000mm Models 1,2&3 /
2240mm Models 4&5



1400mm Models 1,2&3 /
1480mm Models 4&5

2343mm Models 1,2&3 / 2460mm Models 4&5

i-Flow Select N2 Skid System Dimensions

Technical Specifications

| Skid Size | | 1 | 2 | 3 | 4 | 5 |
|-------------------------|----------------------|-----------------------------|------------|------------|--------------------|-------------|
| Output Pressure | | 9 bar | | | | |
| N2 Purity | | >99.9%* | | | | |
| Flow rate | (L/min) | 131 | 256 | 381 | 508 | 635 |
| | (Nm ³ /h) | 7.8 | 15.3 | 22.8 | 30.4 | 38.0 |
| | (SCFH) | 277 | 542 | 807 | 1076 | 1346 |
| Min. Inlet Air Required | (L/min) | 536 | 1046 | 1556 | 2074 | 2591 |
| | (Nm ³ /h) | 32.1 | 62.7 | 93.3 | 124.4 | 155.4 |
| | (SCFH) | 1136 | 2217 | 3298 | 4396 | 5492 |
| Min. Inlet Pressure | | 10 bar | | | | |
| Model | SELECT | 1A | 2A | 3A | 4A | 5A |
| Part No. | | 3303934 | 3303936 | 3303937 | 3303938 | 3303939 |
| Output Pressure | | 7 bar | | | | |
| N2 Purity | | >99.9%* | | | | |
| Flow rate | (L/min) | 116 | 226 | 336 | 447 | 559 |
| | (Nm ³ /h) | 6.9 | 13.5 | 20.1 | 26.8 | 33.5 |
| | (SCFH) | 245 | 479 | 712 | 947 | 1185 |
| Min. Inlet Air Required | (L/min) | 474 | 923 | 1371 | 1824 | 2281 |
| | (Nm ³ /h) | 28.4 | 55.3 | 82.2 | 109.4 | 136.8 |
| | (SCFH) | 1004 | 1956 | 2906 | 3866 | 4835 |
| Min. Inlet Pressure | | 8 bar | | | | |
| Model | SELECT | 1B | 2B | 3B | 4B | 5B |
| Part No. | | 3303940 | 3303941 | 3303942 | 3303943 | 3303944 |
| Output Pressure | | 6 bar | | | | |
| N2 Purity | | >99.9%* | | | | |
| Flow rate | (L/min) | 105 | 205 | 305 | 406 | 508 |
| | (Nm ³ /h) | 6.2 | 12.2 | 18.2 | 24.3 | 30.4 |
| | (SCFH) | 222 | 434 | 646 | 860 | 1076 |
| Min. Inlet Air Required | (L/min) | 429 | 837 | 1245 | 1657 | 2073 |
| | (Nm ³ /h) | 25.7 | 50.2 | 74.6 | 99.4 | 124.3 |
| | (SCFH) | 909 | 1774 | 2639 | 3512 | 4394 |
| Min. Inlet Pressure | | 7 bar | | | | |
| Model | SELECT | 1C | 2C | 3C | z4C | 5C |
| Part No. | | 3303945 | 3303946 | 3303947 | 3303948 | 3303949 |
| Weight kg (lbs) | | 805 (1775) | 885 (1951) | 985 (2172) | 1215 (2677) | 1365 (3009) |
| Dimensions (WxHxD) mm | | 2000 x 2343 x 1400 | | | 2240 x 2460 x 1480 | |
| Voltage | | 100-240 VAC +/- 10% | | | | |
| Frequency | | 50/60 Hz | | | | |
| Current | | 3.0 - 5.0 Amp | | | | |
| Power Consumption | | 730 Watts | | | | |
| Operating Temperature | | 5 C - 50 °C / 41 F - 122 °F | | | | |
| Noise Level | | <70dB @ 1m | | | | |

(* Purity stated is default specification, which has limited options to modify on request. For more information, please contact your PEAK representative / Technical Specialist.

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|---------------------------|---|
| Annual Service | Contact us at contact@peakgas.com for service and parts pricing |
| Standard Maintenance Plan | |
| Complete Maintenance Plan | |

Peak gas generators define the benchmark in reliability, convenience and performance in facilities around the world, and come backed by a 24 month on-site 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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 Email: contact@peakgas.com

Peak's Quality Management System conforms to:
 ISO:9001:2008



Product Certifications

