PEAK GAS GENERATION

Industry Application

Reduce your nitrogen gas costs with **i-Flow**

Nitrogen generation solutions for **Pharmaceutical & Biotech**

Pharmaceutical & biotechnology companies operate in very precise environments. The sensitive nature of compounds and organisms means there are several product quality and safety considerations. Product exposure to moisture & oxygen can cause contamination, altering product composition & rendering them useless. Furthermore, excess oxygen concentration during processing can often lead to explosive reactions. These highly undesirable outcomes ultimately impact on both company reputation and customer satisfaction.

Protect your company's bottom line with on-site nitrogen generation.

- Save Money
- Control Costs
- Guarantee Supply
- Reduce Carbon Footprint

Blanketing, inerting, purging & sparging

Nitrogen gas is the most cost effective industry solution. Clean, dry & inert, it is used to remove contaminants at numerous stages of the manufacturing process, helping to:

- Sparge out potentially harmful chemical compounds
- Blanket storage tanks to prevent product spoiling
- Inert processing chambers to prevent combustion (e.g. during milling or spray drying)
- Sterilize packaging of air or moisture prior to filling

Key benefits of on-site nitrogen generation

Guaranteed supply
Increased efficiencies, maximum productivity and minimum downtime

Increased safety
No need for pressurized gas storage so safer than bulk delivery options

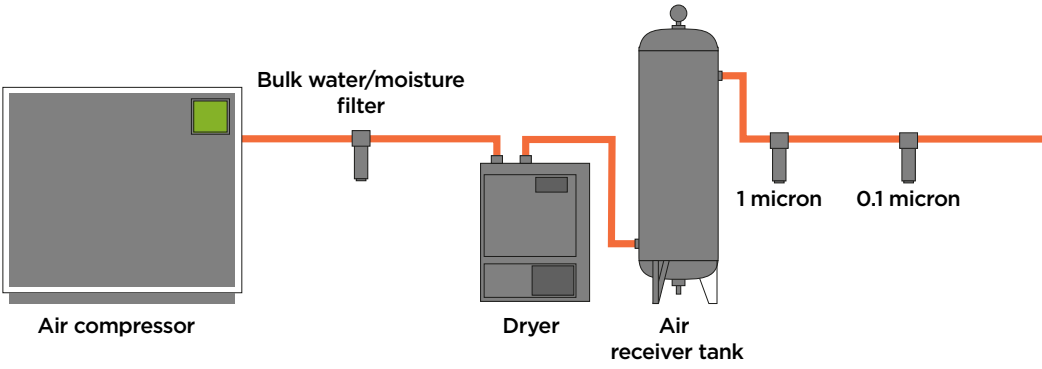
Less wastage
Consistent and reliable supply means fewer product defects or rejections

Eliminate on-going costs
No more equipment rental, long contracts or re-supply ordering

More sustainable
Reduced carbon footprint by eliminating trucking of cylinders to your site

Future proof
Expandable on-demand N2 generation that meets future needs

Typical nitrogen generation system



Consultative Solutions

Global Leader
Peak is the leading global manufacturer of nitrogen generation systems.

Turnkey Solutions
Our team of highly experienced consultants are experts in designing turnkey solutions that perfectly meet customer needs.

Expertise & Support
Our vast industry and technological expertise, coupled with world-class aftercare support, means we define the benchmark for customer service, innovation, quality and reliability.

Project Management
Our project teams manage every stage of the process through initial consultation, system design, procurement, installation/ commissioning and keep you fully informed at each step.

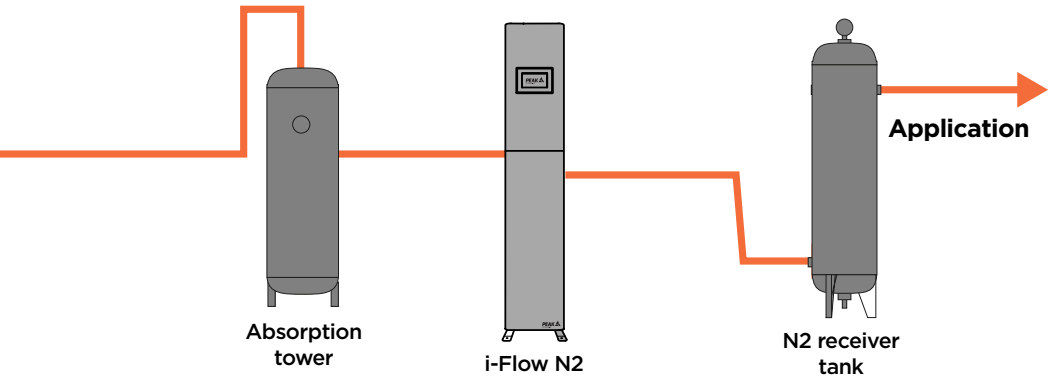
Global Partnership
Together with our industry leading partners in compression & filtration technologies, we offer the best and most diverse technological solutions available on the market.

Contact us today to discover more!

North America
Tel: +1 866 647 1649

Europe
Tel: +44 (0) 141 812 8100

Web: www.peakgas.com
Email: contact@peakgas.com



Your sustainable and expandable nitrogen generation solution

The i-Flow nitrogen generator from Peak Gas Generation eliminates the need for bulk nitrogen gas delivery and provides you with a sustainable, on-site nitrogen gas generation system that will deliver massive efficiency & cost savings in the long run.

It is a modular & scalable design that harnesses the latest in gas purification technologies, providing a wide range of purity and flow rates to suit most applications.

Economical & sustainable

A cost effective solution that eliminates the need for bulk nitrogen gas delivery forever.

Expandable on-demand

i-Flow's space saving, future-proof modular design allows columns & units to be added as your business grows.

Energy saving efficiency

An innovative 'Eco-mode' ensures the lowest running costs by automatically managing production based on your daily demands.

Verified industry compliance

Exceeding standards of EIGA, EC Food Grade, European Pharmacopoeia, JEFCA and US Food & Drug Administration (CFR Title 21) with Peak IQ/OQ certification.

Safe on-site supply

No more health & safety concerns over hazardous truck deliveries or storage of gases in highly pressurized cylinders or tanks.

High quality engineering

Peak is an ISO 9001 certified manufacturer and i-Flow's highly efficient technology requires minimal maintenance and supervision.

Expert consultation

Peak's professional consultants will expertly design an end-to-end solution to meet your needs.

Copyright 2026 Peak Gas Generation - i-Flow Prime & Mini Industry Application PGG - Pharmaceutical & Biotech RSID 1342 Rev 10 - 06/04/26