

**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
- Purge equipment & pipes to avoid future contamination

## 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**

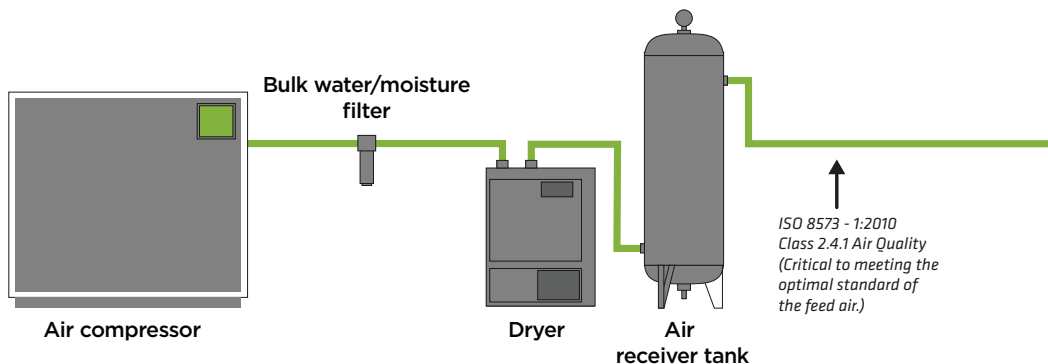
Reduced carbon footprint by eliminating trucking of cylinders to your site



### **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

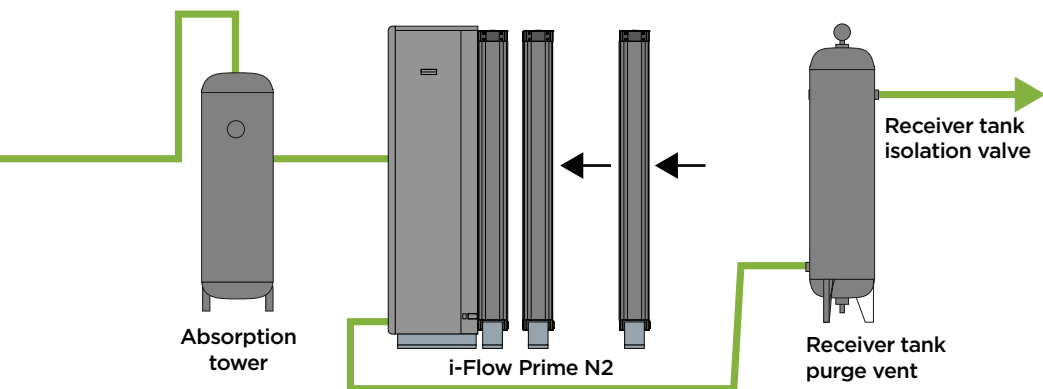
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## Your sustainable and expandable nitrogen generation solution

**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.

