



i-FLOW
INTELLIGENT GAS SOLUTIONS

INTELLIGENT GAS GENERATION SOLUTIONS

PEAK 
INDUSTRIAL



PEAK Industrial's **i-Flow** nitrogen gas generation solutions keep productivity flowing.

// MODIFIED ATMOSPHERE PACKAGING FOR FOODS & PHARMACEUTICALS // INERT STORAGE & BLANKETING // LASER CUTTING & SOLDERING
// GAS ASSISTED INJECTION MOULDING // HIGH PRESSURE CYLINDER FILLING // LARGE SCALE LABORATORY // AND MUCH, MUCH MORE

THE POWER OF GAS GENERATION

As innovations go, we've introduced more than a touch of Genius to the new Peak **i-Flow** Nitrogen Gas Generation System.

Few companies can offer Genius on such a scale with any real authority. At Peak however, we've been applying the product innovations and customer focused improvements of our acclaimed Genius range of gas generators to our new Industrial **i-Flow** series with impressive results.

We often wonder why organisations still rely on outdated, expensive cylinder supply methods to facilitate critical gas production processes when there are much more advanced and efficient solutions on offer.

Peak Industrial understands the importance of reliability and value for money. We know that downtime equates with revenue loss. That's why we created the **i-Flow** range of industrial gas generators. Hand built to fit in new or existing environments, **i-Flow** eradicates the uncertainties associated with bulk gas supplies. Our approach to product

development is intelligent and customer focused, led by real customer needs and end-benefits. Peak's **i-Flow** generators take performance to a new level. These intelligent systems bring significant, solution-based benefits to nitrogen gas users in the manufacturing and process industries and deliver the purity and reliability demanded in business today.





IF YOU HAVE A PREFERRED SUPPLIER LIST WHY NOT ENGAGE WITH A TEAM THAT CAN OFFER A TOUCH OF GENIUS AND A WORLD CLASS AFTER SALES SERVICE?


Our international team of engineers and sales support staff deliver a world-class product and after sales service designed to support your particular needs, where ever you are. This claim isn't hot air. Here's what our clients say...

“We have worked with Peak for several years. We know how good their generators are and have always been delighted with the service support they have provided us. When we decided to go for one industrial-sized system to supply the whole building Peak was always going to be our preferred supplier.”

Dr Michael Dunn, Mass Spectrometrist (University of Newcastle)

“Both the academic and research staff are a great deal happier knowing their work flow will not be interrupted by gas supply issues anymore. I am now able to concentrate on other projects with peace of mind and confidence in the system; it's also great to know I can speak to someone within Peak Industrial if I require advice or assistance.”

Phil McDonald, Technical Service Manager (University of Edinburgh)



With our solution-based **i-Flow** products and dedication to the before and after care of our customers, **Peak Industrial** is the perfect partner to meet your nitrogen gas generation needs.



i-FLOW 6000 SERIES MODULAR NITROGEN GENERATOR: IT GROWS WHEN YOU GROW

Peak's **i-Flow** modular gas generator series allows you the flexibility to expand in line with your business needs. The **i-Flow** modular units come in compact sizes enabling you to make the best use of tight spaces. It's the most reliable, cost effective and safe alternative to bulk gas supplies you can buy.

Highly efficient, **i-Flow** modular generators provide on-demand nitrogen gas flow-rates between 2Nm³/hr and 115Nm³/hr and purities from 95% to 99.999% as standard, depending on the model. The truly modular design of the i-Flow 6000 series makes it possible to increase the capacity of your generator as your business grows. Features such as our innovative Eco-mode ensure the lowest possible running costs by efficiently managing compressed air production to meet nitrogen demand.

Peak has extensive experience in tailoring products to meet more bespoke requirements. If you would like to discuss other flow-rates and purities, we would be delighted to chat through your options. For example, linking multiple modular generators to meet exceptionally high flow-rate requirements. Our team can supply and install your i-Flow modular generator as part of a complete, customized solution including feed air supply and all necessary ancillaries.

- // COST EFFECTIVE**
- // HIGH EFFICIENCY**
- // SPACE SAVING**
- // FLEXIBILITY TO EXPAND**

NB: Performance based on 7 bar inlet air pressure and 20 - 25 degrees centigrade ambient temperature. Peak Industrial reserves the right to change these specs at any time.

Model	Height		Width		Depth		Weight	
	mm	in	mm	in	mm	in	kg	lb
i-Flow 6010	1738	68.42	500	19.68	760	29.92	197	433
i-Flow 6020	1738	68.42	500	19.68	920	36.22	282	620
i-Flow 6030	1738	68.42	500	19.68	1080	42.52	367	807
i-Flow 6040	1738	68.42	500	19.68	1240	48.82	452	994
i-Flow 6050	1738	68.42	500	19.68	1400	55.12	537	1181
i-Flow 6060	1738	68.42	500	19.68	1560	61.42	622	1368

Model		99.999%	99.990%	99.950%	99.900%	99.500%	99.000%	98.000%	97.000%	96.000%	95.000%
		10ppm	100ppm	500ppm	1,000ppm	5,000ppm	10,000ppm	20,000ppm	30,000ppm	40,000ppm	50,000ppm
i-Flow 6010	Nm ³ /hr	2.1	3.2	4.5	5.3	8.1	10.7	13.6	16.5	18.8	21
	scfm	1.2	1.9	2.6	3.1	4.8	6.3	8	9.7	11.1	12.4
	L/min	35	54	75	88	135	178	226	275	313	350
	Air : N2	10.8	7.2	3.4	3.3	2.7	2.6	2.3	2.2	2.1	2
i-Flow 6020	Nm ³ /hr	4	6.2	8.6	10.1	15.4	20.3	25.8	31.3	35.6	39.8
	scfm	2.4	3.6	5	5.9	9	11.9	15.2	18.4	21	23.4
	L/min	67	103	143	168.4	256	338	430	522	594	664
	Air : N2	10.8	7.2	3.4	3.3	2.7	2.6	2.3	2.2	2.1	2
i-Flow 6030	Nm ³ /hr	6.1	9.4	13.1	15.4	23.5	30.9	39.4	47.8	54.4	60.8
	scfm	3.6	5.5	7.7	9	13.8	18.2	23.2	28.1	32	35.8
	L/min	102	157	218	256	391	515	656	796	906	1014
	Air : N2	10.8	7.2	3.4	3.3	2.7	2.6	2.3	2.2	2.1	2
i-Flow 6040	Nm ³ /hr	8.2	12.9	17.6	18.6	30.9	41.1	52.8	64.5	72	81
	scfm	4.8	7.6	10.4	10.9	18.2	24.2	31.1	38	42.4	47.7
	L/min	137	215	294	310	515	685	880	1075	1200	1350
	Air : N2	10.8	7.2	3.4	3.3	2.7	2.6	2.3	2.2	2.1	2
i-Flow 6050	Nm ³ /hr	9.5	14.6	20.3	23.9	36.4	47.9	61	74.1	84.4	94.4
	scfm	5.6	8.6	11.9	14.1	21.4	28.2	35.9	43.6	49.7	55.5
	L/min	158	243	338	398	607	799	1017	1235	1406	1573
	Air : N2	10.8	7.2	3.4	3.3	2.7	2.6	2.3	2.2	2.1	2
i-Flow 6060	Nm ³ /hr	11.6	17.8	24.6	29.2	44.5	58.6	74.6	90.6	103.1	115.4
	scfm	6.8	10.5	14.5	17.2	26.2	34.5	43.9	53.3	60.7	67.9
	L/min	193	297	410	486	742	977	1244	1510	1719	1923
	Air : N2	10.8	7.2	3.4	3.3	2.7	2.6	2.3	2.2	2.1	2

AN OVERVIEW OF OTHER MARKET OFFERINGS



// GAS CYLINDERS

INCONVENIENCE

Frequent changing of cylinders

COST

Increasing delivery & rental costs

Downtime = lost revenue

RISK

High pressure storage

Manual handling



// LIQUID DEWAR

INCONVENIENCE

Nitrogen vents from dewars even when there is no demand

COST

Increasing delivery and rental costs

Downtime = lost revenue

RISK

Tremendous force generated if liquid nitrogen is expanded rapidly

Rapid freezing could lead to frostbite – or worse!

Poor ventilation = asphyxiation risk



// BULK LIQUID STORAGE

INCONVENIENCE

Nitrogen vents to relieve pressure even when there is no demand

Large space requirement

Planning permission required

COST

Huge installation costs

Increasing delivery & rental costs

Downtime = lost revenue

RISK

Frostbite (or worse!)

Requires detailed Health and Safety procedures

i-FLOW 6000 SERIES THE REAL ALTERNATIVE



The i-Flow 6000 generator is the best solution for your gas needs. It outperforms traditional means of supply such as cylinders and bulk liquid storage in a number of categories. Peak's i-flow 6000 offers you:

// **i-FLOW 6000**

CONVENIENCE

Constant source of gas
Consistent purity, pressure and flow-rate
Generator gas does not run out

SMALLER SIZE

Does not compromise valuable workspace
MUCH smaller than bulk LN2 tanks
No special foundations or construction work
Flexible and easier installation (located indoors, in plant room or in process area next to application)

COST EFFECTIVE

Eliminate costs associated with bulk N2
No delivery or rental charges
Avoid ever increasing gas prices
Downtime is eradicated
Produce gas only on demand
Minimal maintenance
Fast payback / R.O.I.

ENVIRONMENTALLY FRIENDLY

No more deliveries / collections
Energy efficient
Economy mode

FLEXIBILITY

Modular design allows for expansion
Increase generator capacity as demand increases
Add more CMS columns as required
Multi-unit solution for very high flow-rates
Link multiple generators



Service with a **smile**

A PLAN TO SUIT YOU: WE HAVE A RANGE OF SUPPORT PACKAGES TO FIT YOUR NEEDS

At Peak, Service support is at the very heart of everything we do. That's why our relationships with end-user clients and equipment manufacturers stand the test of time. This has led to intelligent product developments that are customer-led and solution-based.

We know the gas industry and the importance of purity, reliability and value for money. We understand down time equates with revenue loss. We like all of our customers to take it easy. Relax and be confident that you are in good hands with the Peak team.

Our renowned customer service and support is world class. Our expert engineers fix problems and overcome technical issues usually at the first visit and you can find them all around the world, ready and waiting, not that you will need them very often.

With our Service Plans, we don't simply aim to fix your generator as quickly as possible; we want to make sure that it never lets you down. The best way to achieve this is through regular maintenance. Peak engineers can service your generator at prescribed intervals and, depending on the service option you have chosen, all parts are either discounted or included in the plan.

Between our Standard and Complete Options, you can be sure we've got you covered.

To find out more about Peak i-Flow
industrial generators and our sector
leading after care service visit:

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