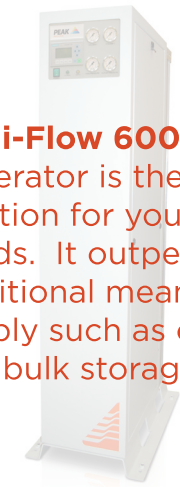


Technical Specifications

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

The **i-Flow 6000** generator is the best solution for your gas needs. It outperforms traditional means of supply such as cylinders and bulk storage.



i-FLOW

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	Nm³/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	Nm³/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	Nm³/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	Nm³/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	Nm³/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	Nm³/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

Other Nitrogen uses in the Pharmaceutical Industry



Spray Drying ...

- Spray drying produces a dry powder from a liquid by rapidly drying with a hot gas. The liquid is sprayed through a nozzle into a hot vapour stream and vaporised. Solids form as moisture quickly leaves the droplets. The spray nozzle ensures a consistent particle size. Nitrogen gas is used to prevent explosion and oxidation.

Purging ...

- Nitrogen is used to purge process equipment, pipelines and vessels to expel moisture and dangerous vapours and gases.

Sparging ...

- Sparging is a method of stripping contaminants such as oxygen from a liquid by bubbling Nitrogen gas through it. The gas absorbs and carries the contaminant with it as it rises to the surface and is vented away from the process stream and vessel.

Pressure Transfer ...

- Nitrogen is often used to safely transfer active ingredients from one process vessel to another whilst maintaining product integrity.

Peak Industrial
Fountain Crescent
Inchinnan Business Park
Inchinnan
PA4 9RE
Scotland, UK

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

Your local distributor is...

For further information on our generator products please contact enquiries@peakindustrial.com

i-FLOW Nitrogen Solutions for

Pharmaceutical Applications



// Modified Atmosphere Packaging for foods & pharmaceuticals // Inert storage & blanketing
// Laser cutting // Soldering // Gas assisted injection moulding
// High pressure cylinder filling // Large scale laboratory // And more...

Pharmaceutical Applications

Why Nitrogen...

Nitrogen gas plays an essential role in a broad range of applications within the pharmaceutical industry.

Most pharmaceutical companies have multiple Nitrogen uses and various purity requirements. Peak Industrial's i-Flow generators consistently meet or exceed the demands of pharmaceutical manufacturers to provide a convenient, dependable, cost-effective source of nitrogen gas.

Milling and Micronization of Pharmaceutical Powders

- Size reduction mills are used for the reduction of active ingredients to increase surface area and achieve a consistent particle size. This results in a better quality solid dosage product (tablets and capsules) as well as inhalation products.
- Many pharmaceutical materials present a high potential for explosion, particularly in a milling device where dust particles <10 micron are present. Nitrogen gas is used to inert the complete system to minimise the risk of explosion.



Pharmaceutical Packaging

- Flushing with Nitrogen gas displaces oxygen and moisture which can affect the physical and chemical stability of medicines. It ensures a sterile atmosphere inside the package and prevents oxidative degradation, thereby maintaining product integrity.



Inerting/Blanketing

Nitrogen gas is used to maintain an inert and protective atmosphere above a liquid or powdered product inside a storage tank, reactor or other vessel. The inert gas will help prevent product degradation from moisture and oxygen, control volatile emissions and safeguard against fires and explosions.

Why i-Flow....

Peak Industrial understands the importance of reliability and value for money. We know that downtime equates with revenue loss. That is why we have created the i-Flow range of industrial gas generators. Every generator is hand built and performance tested in our factory in Scotland to fit into new or existing working environments. i-Flow eradicates the uncertainties associated with bulk or liquid gas supplies.

i-Flow brings customer-focussed, solution-based benefits to Nitrogen gas users in the pharmaceutical industry.

Service - Industry leading technical support from our worldwide distributor network

i-Flow 6000 Modular Nitrogen Generator...

i-Flow modular gas generators provide the flexibility to expand in line with your business needs by increasing Nitrogen production capacity as your business grows. Compact in size, i-Flow enables you to make the best use of limited production space. Highly efficient, i-Flow provides on-demand Nitrogen gas with purities from 95% to 99.999% and flow-rates between 2Nm³/hr and 115Nm³/hr as standard. Higher capacities are available on request. i-Flow is the reliable, convenient, cost effective and safe alternative to other bulk gas supplies.

Cost Saving -

Innovative Eco-mode ensures the lowest possible running costs by efficiently managing compressed air production to meet Nitrogen demand.

Flexibility to Expand -

Our systems are modular which means we can grow with your business needs.

Industry Experience -

Peak has extensive experience in tailoring products to meet bespoke requirements. Whatever your needs we will try to assist you.

Space Saving -

Much smaller than bulk LN₂ tanks and does not compromise valuable workspace.

Environmentally

Friendly - No more deliveries, Energy efficient and has an economy mode.



i-FLOW