

LIQUID NITROGEN GENERATOR LINE



LabTech

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MAKE YOUR OWN LIQUID NITROGEN

Make your own high-quality liquid nitrogen, anywhere, anytime! LabTech offers a complete line of advanced Liquid Nitrogen Generators, designed for the production of **reliable, high-purity liquid nitrogen directly at your facility**. With this advanced solution, on site liquid nitrogen generation is **extremely easy**. Just connecting it to a power connection and turning the valve, the system starts producing high-purity liquid nitrogen safely, efficiently and on demand. With this system, you will never run out of liquid nitrogen!

This technology has huge implications for laboratory, medical, veterinary and industrial applications, removing the issues related to liquid nitrogen deliveries, costs and problems with evaporation loss. With an onsite generator, you **regain control, reduce risk and ensure a stable and efficient liquid nitrogen supply tailored to your exact needs**.

Experience first hand the convenience of having the generator in your lab without delivery hassles!



MAIN APPLICATIONS



Cryopreservation
for biobanks



Veterinary



Medical in Vitro
Fertilization (IVF)



Cryotherapy



NMR
Spectrometers



Magnetic Resonance
Imaging (MRI)



Seed
banks



Cryogenic
grinding



Avangarde and
molecular cuisine



Production of
frozen food



Superconductive
coolant



Cryogenics for Gas
Chromatography

THE BEST CHOICE FOR INDEPENDENT PRODUCTION OF LIQUID NITROGEN

LabTech's Liquid Nitrogen Generator is built on proven technology to ensure reliability, precision and long-term performance for several fields. With flexible daily production of **up to 80 liters**, it allows you to **generate the exact amount of liquid nitrogen you need**, when you need it, maximizing efficiency and minimizing waste.

This **compact, plug-and-play solution** is extremely easy to use and fits easily into your workspace. The control system used gives operators all the information necessary to ensure that an efficient and consistent supply of liquid nitrogen is always available. With on-site generation, you gain immediate access to a safe, efficient and reliable supply: **no deliveries, no delays, no compromises.**

Extremely easy to use

Built-in low noise Air Compressor

Plug and play solution

PSA technology

Integrated dispensing Hose

Built-in Dewar tank

Colour graphic touch screen

Low power consumption

Different daily production models available



Liquid Nitrogen Outlet

Dispense Valve



LabTech



Protective
gloves
must be
worn



Danger
Liquid
Nitrogen



Eye
protection
must be
worn

liquid nitrogen

GENERATOR

TECHNICAL SPECIFICATIONS

	LNG10	LNG20	LNG40	LNG80
Liquid nitrogen volume (L/day)	6 to 10	15 to 20	40 to 45 (boost function)	60 to 80 (boost function)
Built in Dewar capacity (L)	35	50 (optional 35)	100	210
Air Compressor	Included	Included	Included	Included
Control system	Colour graphic touch screen	Colour graphic touch screen	Colour graphic touch screen	Colour graphic touch screen
Power supply	110V 50/60Hz 230V 50/60Hz	230V 50/60Hz	380/400/415V - 50Hz 3P 460/480V - 60Hz 3P 200V - 50/60Hz	380/400/415V - 50Hz 3P 460/480V - 60Hz 3P
Power consumption (Kw)	1.9	3.2	4.0	6.9
Max altitude (mt)	Up to 2.000	Up to 2.000	Up to 2.000	Up to 2.000
Ambient temperature range (°C)	+5 to +28	+5 to +28	+5 to +35* +5 to +28	+5 to +35*
Noise level (dBA)	<55	<60	<60	<65
Dimensions (LxWxH cm)	68x89x171	148x66x186	148x66x186	172x82x187
Weight (Kg)	270	446	463 491*	615
Water cooled version	Not available	Not available	Available (LLN40)	Standard
Ordering information	LLN10+	LLN20AC (LLN20ACCOMP)	LLN40AC	LLN80

*Water cooled version

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LabTech, your reliable laboratory solution provider.

LabTech is a leading manufacturing company with skills and passion devoted to provide advanced laboratory solutions to the analytical community. We are located in Sorisole, northern Italy, with facilities in USA and China. Incorporated with global branches, LabTech is organized into R&D, production, marketing & sales and customer support. Major LabTech products include organic/inorganic sample preparation systems, laboratory cooling heating/temperature control equipments, analytical instruments, gas generators, laboratory centrifuges and liquid nitrogen generators. With knowledgeable scientists and experienced engineers, our R&D team has developed and released a series of new lab equipments and instruments dedicated to the modern analytical laboratories. With all of these accomplishments and our endless research and development efforts, we are proud to be your professional partner in lab solutions.



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