

# LIQUID NITROGEN GENERATOR LINE



# 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.**

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**Extremely easy to use**

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**Built-in low noise Air Compressor**

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**Plug and play solution**

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**PSA technology**

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**Integrated dispensing Hose**

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**Built-in Dewar tank**

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**Colour graphic touch screen**

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**Low power consumption**

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**Different daily production models available**

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

\*Water cooled version

# LabTech

WWW.LABTECHSRL.COM

## **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.

### **DISTRIBUTOR:**



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