Triton LN5 F

LN2 generator with innovative maintenance-free cryocooler technology

The Triton Series is a range of reliable, compact and highly efficient on-site plug and play liquid nitrogen generators. Supporting numerous applications in laboratories, research institutes, universities, hospitals, dermatology clinics and many more, the small footprint, low power consumption and low noise system make the Triton one of the best solutions available. Simply connect the power and press 'start' for the machine to automatically produce liquid nitrogen when needed.

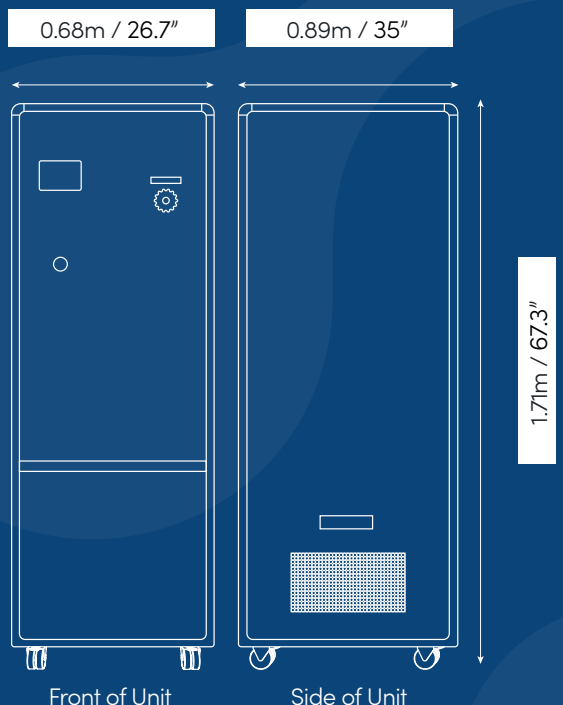
The Triton's maintenance-free, low-vibration cryocooler using proprietary technology enhances the longevity of the generator. Minimizing disruption for sensitive applications, it helps deliver higher generation efficiency and lowers overall cost of ownership.

The Triton LN5 F produces 5 litres per day and is unique in that it has a front flask dispenser which allows for safe dispensing of small flask volumes of liquid nitrogen. A hose can also be connected if required and can be purchased separately.

Application

On-demand nitrogen source for:

- Dermatology
- Cryogenic Sample Storage
- IVF
- Cryogenic Cooling in FTIR, GCxGC
- Cryomilling
- Cryo-EM



Features

- Plug and play
- Flask recess
- Optional hose dispense
- High purity sterile liquid nitrogen
- Intelligent level sensor
- Automatic standby when liquid nitrogen storage full
- Colour touch screen with real time display
- Vacuum protection system
- Nitrogen pulse flow system ™
- Sterile filtration
- Emergency stop
- Zero loss pressure system

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Technical Specifications	Triton LN5 F
LN_2 production (L/day)	5 @ standard 1.5 bar
LN_2 purity	>99%
LN_2 tank volume (L)	35
LN_2 pressure (bar g)	up to 1.5
Power consumption (kW)	1.55
Power supply	230VAC 50/60Hz
Operating temperature	5°C (41°F) to 28°C (82°F)
Heat output to air	6,483 BTU/hr (local to generator)
Max altitude (m)	2000
Noise (dBA)	<65
Generator dimensions (WxDxH)	0.68m x 0.89m x 1.71m (26.7 x 35 x 67.3 in)
Shipping dimensions (WxDxH)	1.06m x 1.06m x 1.95m (41.7 x 41.7 x 76.7 in)
Net weight (kg)	270 (595 lbs)
Shipping weight (kg)	380 (838 lbs)

LN2 production rates stated at +25°c ambient temperature and <2,000 metres altitude.

Ordering Information	
Part Number	NG20-0036
Service Plan	**visit:** www.noblegencryogenics.com/contact-us

Accessories Table	
NG03-0002	Non-Vacuum Insulated Hose (1.5m)
NG03-0001	Vacuum Insulated Hose (1.5m)
NG04-0153	PPE Safety Kit

Certifications

CE

Find out more

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