

# BEAM 1.0

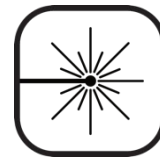
## Laser Gas Generator Closed-Loop

The BEAM 1.0 performs in 24/7 production process worldwide with utmost reliability. Even under the most challenging environments Beam 1.0 guarantee frictionless industrial use for different applications (example: high power UV-lasers (>300 nm)). The Generator produces a continuous flow of hydrocarbon-free air. The flow is controlled stable. All Generators reduce the total quantity of hydrocarbons to less than 0,01 ppm, establishing a stable flow for your application. Zero-air produced in this way replaces existing stocks of synthetic air stored in high pressure bottles.

Laser Gas Generators are designed specifically to supply clean, dry, hydrocarbon-free air to be used for several applications.

LNI Swissgas recognizes the importance of having a safe, reliable and cost effective supply of high-purity Zero Air.

In addition providing flexibility to add or remove modules as your application requirements evolve over time.



### Main Applications

#### PROTECTION FOR LASER

- Our generators continually protect optics, crystals and coatings of the laser beam path against particles, humidity, hydrocarbons and aggressive gases. Degradation and maintenance are reduced to a minimum. Lifetime and performance of the laser and optical systems are maximized.

#### Main advantages

- ✓ Easy use and quick installation
- ✓ RS 485 as standard
- ✓ Purity: < 0.05 ppm THC
- ✓ Easy maintenance
- ✓ Reduced foot print
- ✓ Stackable with other LNI series



## Specifications



<b>Model: Beam 1.0</b>	
<b>Zero Air Outlet</b>	
Flow rate (Max)	1.0 l/min
Outlet pressure (min)	/
Outlet pressure(max)	1.2 bars
Total hydrocarbon content	< 0.05ppm
Start-up time	50 min
<b>Air inlet</b>	
Max inlet hydrocarbon content	100 ppm
Min supply pressure	Integrated Pump
Max supply pressure	
Dew Point	
Temperature (min;max)	
<b>Communication</b>	
RS232	Standard
<b>General Data</b>	
Supply voltage	100-240Vac 50/60Hz
Connection type	IEC320-C13
Installation power (max)	240W (280VA)
Fuse rating (5x20mm)	2A
Dimensions	Standard 19" - 4U
Net weight	<13 kg
<b>Connections</b>	
Outlet port	6 mm Push-Fit
Inlet port	6 mm Push-Fit
Health connectot	max 5A, 40VDC MAX / 24VAC MAX (normaly closed)
<b>Operating conditions</b>	
Temperature (min;max)	5-35°C (41-95°F)
Humidity (max, non condensing)	80% at 25°C (77°F)
Noise	<25dB (A)
Ip rating	IP20

### Ordering codes

#### Gas Generators

8000.10.001

BEAM 1.0

#### Consumable

8100.10.004

Kit filters for BEAM 1.0



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