

Nitrogen Generator



Figure 1 Nitrogen Generator

Nitrogen is produced from air by pressure swing adsorption (PSA) to remove oxygen, carbon dioxide and water from compressed air.

Used in:

- Carrier gas for gas chromatography.
- Make up gas for GC detectors: TCD, ECD, FID, NPD.
- HPLC, TOC and other laboratory applications.

Dimensions: (WxDxH);	250 mm x 560 mm x 575 mm
Weight:	35 kg
Warm-up time	1 hour
Output fittings	1/8"



No need for tanks.



Guarantees the removal of impurities of oxygen, carbon dioxide

Advantages

Increased laboratory efficiency

Improved safety

Security of supply

Simple installation

Environmental Specifications

Ambient Operating Temperature:	from 10 to 35°C
Relative humidity:	not more than 80 %
Storage Temperature:	from -50 °C to 50°C
Power Requirements:	~220V ±10%, 50±1Hz

Technical Specifications

Model	20.400-UHP	30.400E-UHP
Product Number	451-0310	451-0311
Nitrogen purity	> 99.9995 %*	> 99.9995 %*
Productivity by nitrogen, L/hour (ml/min)	20 (333)	30 (500)
Nitrogen output pressure	400 kPa	400 kPa
Air compressor	built-in	External (optional)
Oxygen concentration	< 3 ppm	< 3 ppm
Moisture concentration	< 7 ppm	< 7 ppm
Hydrogen concentration	< 2 ppm**	< 2 ppm**
Total hydrocarbon level	< 0.05 ppm	< 0.05 ppm
Catalytic hydrocarbon removal	built-in	built-in
Oxygen sensor	built-in	built-in
Noise level	< 65 dB	-
Power consumption	500	400***

* - For dry gas, including inert gas impurities (argon, neon, helium).

** - Including carbon monoxide and carbon dioxide. At 10 ppm methane max in feed air.

***- Power consumption of external compressor not included.