

HiQ® specialty gas generators.

ELSD nitrogen generator without compressor.

The ELSD mini nitrogen gas generator deliver a continuous stream of pure nitrogen gas with a low residual oxygen content without the need for secondary purification. The ELSD mini nitrogen gas generator is ideal as source for inert gas and purge gas including ELSD systems.

The ELSD nitrogen gas generators use the pressure swing adsorption (PSA) system, as used in thousands of systems worldwide to remove oxygen, carbon dioxide and water from compressed air. The ELSD nitrogen gas generators is incredibly miniaturized and very silent, ideal to be placed in a little space like under or on a bench.

The ELSD gas generators are designed and manufactured within a rigorous ISO9001 quality system.

Advantages:

- Nitrogen produced at low pressure and ambient temperature removes the need for high pressure cylinders or liquid dewars
- A constant, uninterrupted gas supply of guaranteed purity eliminates interruptions of analyses to change cylinders and reduces the amount of instrument re-calibrations required
- > 98% pure nitrogen gas produced as standard. Requires only compressed air from an external source
- No high pressure cylinder requirement and very little moving part for long term stable run without frequent maintenance demand. Profit from in-house compressed air supply
- The gas generators can easily be installed in the laboratory

Technical data

Max. N ₂ flow rate at 20°C, 1 bar	4 l/min (up to)	
Delivery pressure	5 bar	73 psi
N ₂ purity	>98%	
Compressed air feed specifications		
Pressure	7 bar	100 psi
Purity	ISO 8573.1, Class 1.2.1	
Temperature range	10–40 °C	50–104 °F
Noise level	<48 dB(A)	
Power	230V/50Hz	110V/60Hz
Dimensions (W/D/H)	35/40/30 cm	13.8/15.7/11.8"
Weight	16 kg	35.5 lbs

Certification:



Model	Description	HiQ® code
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ELSD-4000/230	ELSD PSA without compressor, 4 l/min, 230V	6014
ELSD-4000/110	ELSD PSA without compressor, 4 l/min, 110V	6015

Maintenance

ELSD-8000K	8000 hours maintenance kit	6016
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HiQ® ELSD nitrogen generator.

HiQ® ELSD nitrogen generator in principal.

