

ELSD Nitrogen Generator

Alltech ELSD Nitrogen Generator ALLTECH EXCLUSIVE

- Produces a Continuous Supply of High Purity Nitrogen from Compressed Air
- Replaces Inconvenient Nitrogen Cylinders
- Requires No Electricity
- Saves Valuable Bench Space



Water vapor and oxygen permeate through the wall of the membrane quickly. Only nitrogen flows through the fiber bores as the product stream.

Simplify your Evaporative Light Scattering Detector (ELSD) operation with Alltech's ELSD Nitrogen Generator. Forget about the need to change the nitrogen cylinder or wondering whether there is enough nitrogen left to finish the run. Take away the worry of flooding the ELSD and prevent costly repairs with a constant supply of nitrogen gas!

The ELSD Nitrogen Generator produces high purity nitrogen from compressed air continuously without the need for operator attention. Increase productivity, reduce operating costs, and improve lab safety by eliminating the need to replace nitrogen cylinders.

Alltech's Nitrogen Generator requires no electricity and has no moving parts. Nitrogen is generated using a proprietary membrane separation technology. Simply connect the generator to your lab's existing compressed air supply or suitable air compressor. The generator separates air into its component gases by passing compressed air through bundles of individual hollow-fiber, semipermeable membranes. As the air passes through these hollow fibers, water vapor and other "fast" gases such as oxygen and carbon dioxide permeate through the wall of the membrane quickly. Only nitrogen flows through the fiber bores as the product stream. Alltech's ELSD Nitrogen Generator produces a continuous, on demand supply of pure nitrogen at flow rates up to 4L/min. Two ELSDs may be used with one generator as long as your total gas flow rate is less than 4L/min.

Alltech's ELSD Nitrogen Generator has a small, compact footprint that fits easily on the lab bench next to your ELSD or mounts on the wall nearby.

Specifications	
Nitrogen Purity:	99%
Nitrogen Flow:	4L/min
Suspended Liquids:	None
Particles:	<0.01µm
Min/Max Operating Pressure:	60/125psig
Dimension:	10.7" W x 13.4" D x 16.1" H (27.2cm x 34.0cm x 40.9cm)
Weight:	42.5lbs
Compressed Air Requirements:	
Purity:	Free of water, compressor oil (0.01mg/m ³), hydrocarbons, and particulates (<0.1µm)
Temperature:	60°F (15°C) - 110°F (43°C)
Compressor Outlet Pressure:	90-145psig
Compressed Air Flow:	43L/min minimum

ELSD Nitrogen Generator		
DESCRIPTION	PART NUMBER	PRICE
ELSD Nitrogen Generator	600150	
Replacement Parts		
50 ft. 1/4"OD Teflon® Tubing	3136	
1/4" Brass Nuts, 10/pkg	14059	
1/4" Brass Ferrules, 10/pkg	14062	
Plug Valve	12128	
1/4"- 1/4" MPT Brass Male Connection	11639	
1/8"-1/4" MPT Brass Male Connection	11635	
Accessories		
Single-Stage Pressure Regulator, 0-200psig	81892	
Maintenance		
Maintenance Kit	600151	

Contact your Alltech office or distributor for current or local prices.

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