

# ELSD Nitrogen Generator

- Simplifies ELSD operation
- Produces a continuous supply of high purity nitrogen from compressed air
- Replaces inconvenient nitrogen cylinders
- Requires no electricity



6053

The 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.

Increase productivity, reduce operating costs, and improve lab safety by eliminating nitrogen cylinders. Forget about the need to change the nitrogen cylinder or wondering whether there is enough nitrogen left to finish the run.

The ELSD 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 and only nitrogen flows through to the ELSD.

The 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.

**more info**

For information on air compressors, see page 211.



6704



Water vapor and oxygen permeate through the wall of the membrane quickly. Only nitrogen flows through the fiber bores to the ELSD.

Nitrogen Generator Specifications	
<b>Nitrogen Purity:</b>	99%
<b>Nitrogen Flow:</b>	4L/min
<b>Suspended Liquids:</b>	None
<b>Particles:</b>	<0.01µm
<b>Min/Max Operating Pressure:</b>	60/125psig
<b>Dimension:</b>	16.1" H x 10.7" W x 13.4" D (40.9cm H x 27.2cm W x 34.0cm D)
<b>Weight:</b>	42.5lb (19.3kg)
<i>Compressed Air Requirements:</i>	
<b>Purity:</b>	Free of water, compressor oil (0.01mg/m <sup>3</sup> ), hydrocarbons, and particulates (<0.1µm)
<b>Temperature:</b>	60°F (15°C)–110°F (43°C)
<b>Compressor Outlet Pressure:</b>	90–145psig
<b>Compressed Air Flow:</b>	43L/min minimum

ELSD Nitrogen Generator	
Description	Part No.
<i>ELSD Nitrogen Generator</i>	<b>600150</b>
<i>Replacement Parts</i>	
50ft 1/4" o.d. PTFE Tubing	<b>3136</b>
1/4" Brass Nuts, 10/pk	<b>14059</b>
1/4" Brass Ferrules, 10/pk	<b>14062</b>
Plug Valve	<b>12128</b>
1/4"—1/4" MPT Brass Male Connection	<b>11639</b>
1/8"—1/4" MPT Brass Male Connection	<b>11635</b>
<i>Accessories</i>	
Single-Stage Pressure Regulator, 0–200psig	<b>81892</b>
<i>Maintenance</i>	
Maintenance Kit	<b>600151</b>
Air Compressor with Dryer Model OF302-25BD2	<b>89239</b>