

## MSQ18LA Nitrogen Gas Generator



*The MSQ18LA delivers a premium solution for nitrogen requirements and comes factory pre-set to the required flow rates, pressures, and purities for the MSQ™ family of mass spectrometric detectors. It operates 24 hours per day, seven days per week in either ESI or APCI mode to suit your most demanding workload. With the ability of the MSQ detectors to run continuously for extended periods—even for samples using involatile buffers or with dirty matrices—an MSQ18LA is a must to ensure the highest productivity from your instrument. Interruptions to analysis due to cylinder changes will be a thing of the past.*

### Advantages of the MSQ18LA

With constant pressure, flow, and purity, the MSQ18LA gives you complete independence from cylinder changes, gas costs, and associated administration charges. In addition, you will have the maximum safety, convenience, and productivity for your instrument.

- Constant gas supply
- Up to 15 times more economical than cylinders
- Simple installation
- Minimal servicing requirements
- Internal air compressor
- CE / UL approved
- Energy efficient

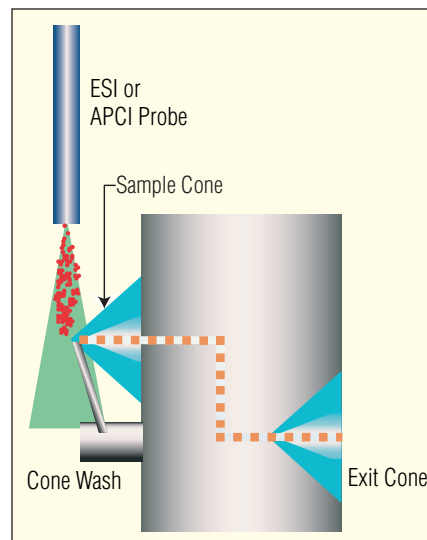


Figure 1. Thermally assisted pneumatic nebulization in the MSQ MS.



Passion. Power. Productivity.

Quiet in operation, the MSQ18LA utilizes membrane technology to selectively remove oxygen, moisture and other gases to leave clean, dry, phthalate free nitrogen from an internal, oil-free air compressor, ensuring many years of operation with no fall-off in purity or performance. It has been specifically designed to supply nitrogen to all MS systems that require nitrogen at a maximum flow rate of 18 L/min.

This highly sophisticated nitrogen generator features new technology inside and out, resulting in an uninterrupted supply of gas and therefore maximum MS uptime. The intelligent PLC features a total run hour count for the compressor and also highlights the time to your next service. This enables you to schedule service and minimize system downtime making this one of the most reliable and intelligent solutions for your gas requirements. A robust design and quality components further lengthen the lifetime of the internal compressor.

### Features and Benefits

- Sleep mode function—minimizes compressor run time, prolonging life of compressor
- Improved reliability—maximizes generator uptime
- PLC control system—total run hour count for compressor provides a service countdown
- Mobile—flexibility to position generator where required, even under standard lab bench
- Simple and user-friendly—easy to use and to service
- Quiet operation—not audible in average lab environment
- Simple installation—up and running in minutes
- Low cost of ownership—minimum service requirements

### SPECIFICATIONS

*Max Flow Rate (ATP):*  
18 L/min

*Outlet Pressure:*  
7 bar / 100 psi

*Air Compressor:*  
Yes

*Nitrogen Pressure Dewpoint:*  
-70 °C / -94 °F

*Particles >0.01 µm:*  
None

*Suspended Liquids:*  
None

*Phthalates:*  
None

*Commercially Sterile:*  
Yes

*Outlet Size:*  
4 mm

*Maximum Ambient Operating Temperature:*  
37 °C / 98 °F

*Noise Level:*  
59 dB @ 1 m

*Electrical Requirements:*  
230 v 50/60 Hz

*Dimensions (H × W × D):*  
88.9 × 43.2 × 40.6 cm  
(35 × 17 × 16 in)

*Weight:*  
90 lbs / 40 kg

### ORDERING INFORMATION

In the U.S. call 1-800-346-6390, or contact the Dionex Regional Office nearest you. Outside the U.S., order through your local Dionex office or distributor. Refer to the following part numbers.

MSQ18LA..... 068126  
Filter Maintenance Kit ..... 068349

The MSQ18LA is manufactured for Dionex Corporation by Peak Scientific Instruments, Inc.  
The MSQ and MSQ Plus are manufactured for Dionex by Thermo Fisher Scientific, Inc.  
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