



# **AviFlow** **AVIFLOW** LAB **NITROGEN GENERATOR FOR LC/MS**

**THE SILENT GENERATOR THAT DOESN'T NEED EXTERNAL COMPRESSED AIR**

Based on Parker membrane technology.

## NITROGEN GENERATOR FOR LC/MS

Atmoz delivers Avilo nitrogen generators for every purity and in all capacities. One of the most important Nitrogen generators which Avilo produces is the AviFlow series.

The AviFlow 2-50N is mainly used as a source of nitrogen for LC/MS applications. With a standard capacity of 51 liters per minute at 98% purity, the unit is perfectly suitable to easily operate 2 LC/MS.

This generator is ready to plug-in, equipped with excellent, dependable build in compressors and compressed air pre treatment. The AviFlow is the quietest generator in its class. Also unique is the silent frequency controlled axial cooling fan which ensures that the unit has excellent heat balance and continuously delivers nitrogen year after year. To save energy and reduce the number of operating hours, it is highly recommended to apply AviFlow together with a nitrogen buffer vessel. It is also possible to connect more units if more capacity is required.

### ADVANTAGES

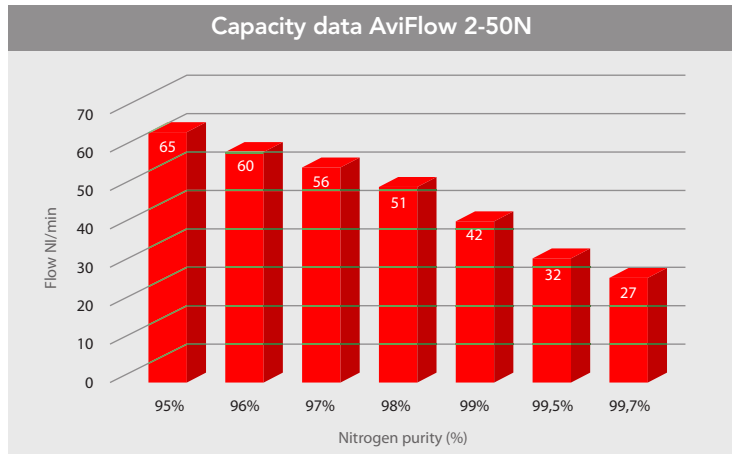
- Safer, no hauling cylinders, no pallets or external bulk deliveries. No contamination.
- Low-cost, quick pay-back time.
- Easy, no periodic invoices, no stock of (full /empty) cylinders or tank level checks.
- Reliable, your generator automatically delivers exactly what you need.
- Long service intervals.
- Maintenance costs are structurally low.
- Less storage space needed, no need for storage space for cylinder packs or gas tanks.
- No warming up time or start up cycles.
- Favourable CO<sub>2</sub> foot print, no heavy transport, or pushing to high pressures or cooling to -196 °C.
- Easy-to-open panels for optimal accessibility.



# CAPACITY DATA

Type AviFlow	Purity (%)	Flow NI/min	Max. pressure (bar)	Capacity (kW)
2 - 50N	98,0	51	8	3,2
25 - 25S	98,0	25 + 25*	7,2	3,2

Capacity at nominal conditions: temperature surroundings 20°C, pressure surroundings: 1013 mbar (a).



## \* The AviFlow 25 - 25 Special

Besides 25 NI/min 98 % pure nitrogen, the AviFlow 25 - 25S also generates 25 NI/min compressed air. This unit has especially been designed for LC/MS's that require nitrogen as well as compressed air.

The supplied compressed air is;

- Filtered 0,01 µm
- Oil-free
- Pressure dew point < -20°C
- Conform ISO 8753-1:2010 1.3.1.
- Ready for use

## STANDARD VERSION AVIFLOW

- Mobile shell 560 x 890 x 920 mm (L x W x H).
- All connections on the backside.
- Colour RAL 9010.
- Weight ± 160 kg.
- Electric 230 Volt.
- Full color touch screen display for easy intuitive use.
- Comprehensive pre-filter set to purify compressed air, 4 filters, from 5 to 0,01 µm and activated carbon column. The membrane is protected by this and will ensure the delivery of reliable nitrogen for years.
- Fully automatic START-STOP regulator.
- Condensation drain (tube 6 mm).



## DISPLAY

The AVIFLOW is equipped with the following display languages: NL, UK, D, F, SP, S, N and RUS.

## OPTIONAL

- Customisations after consultation.
- Condensation evaporation unit.

## DISPLAY SHOWS

- Current pressure and pressure settings.
- Residual Oxygen.
- Data log display showing hour, day, week or month graphics for pressure and oxygen percentage.
- Total and service hour counter with warning.
- Maintenance alert and history.
- Alerting residual oxygen is too high.
- Alerting nitrogen pressure is too low.

Avilo is ISO 9001 - 2008 certified



# A FLEXIBEL SPECIALIST IN GAS GENERATORS FOR LABORATORIES

Atmoz delivers small to large size Avilo nitrogen generators and delivers Parker gas generators, domnick hunter and Balston for various gases. Quick and efficient service for our users is at the heart of our business.

## FAST DELIVERY

Atmoz can deliver nitrogen generator to your specifications (set to your language preferences and with the right purity level) in just a few working days and as needed. For worldwide deliveries, several ways of packaging are available. In the Benelux countries your generator is generally delivered directly by Atmoz technicians who also accomplish its installation and start-up.

Might you receive a delivery without one of our technicians being present, no need to worry. All our units are very easy to install and start-up and come with clear instructions for the user. For any support needed you can have direct contact with our technicians who are happy to support you.

## ALWAYS IN STOCK

**Stock is everything!** Atmoz keeps large stocks of generators, parts and components for both service and production.

## 24 HOUR SERVICE

**Our users always come first!** Avilo products are highly reliable, have long service intervals and allow straightforward maintenance.

When your unit is located in one of the Benelux countries and service is needed, a service engineer can be on your location within a few hours. But usually we combine non-urgent maintenance visits in a region to save costs. For worldwide support, please contact us !

Direct support by engineers at the factory is always possible by e-mail and telephone. And, if necessary, our engineers travel worldwide, and parts are usually shipped out the same day.



**Parker** Balston

**Parker** domnick  
hunter

**Parker** Zande

**Avilo**  
AIR N<sub>2</sub> O<sub>2</sub>

**JUN-AIR®**