

NITROGEN SUPPLY FOR LABORATORIES

SuperFluxx nitrogen generators

The Avilo SuperFluxx nitrogen generators produce large quantities of high-quality nitrogen gas for laboratory applications. These generators are widely used in hospitals, universities and research centres to supply entire laboratories with nitrogen.



High Quality Dry Nitrogen Gas

Our nitrogen systems for laboratories are equipped with high-quality integrated compressed air pre-treatment. This ensures that the nitrogen is free of bacteria, oil, moisture and other contaminants, so that your analysis or sample is protected.

Continuous Nitrogen Production

SuperFluxx nitrogen generators are designed with continuous 24/7 operation in mind. After commissioning the generator will start and stop automatically without any user attention. Connection seamlessly to the nitrogen consumption of your instruments. This way you can continue to focus on your own process without worrying about the gas supply.

Intuitive Controller

The touchscreen display provides a clear representation of the production values and settings in various languages. In addition, the intuitive AVILO OS5 software offers numerous possibilities.

It informs the user about maintenance needs and allows to set numerous alarm values and set-points, making sure the application and the generator itself are protected in the event of an upstream complication.

Traceability of Gas Quality

Production values such as nitrogen purity, pressure and moisture content are stored within the controllers memory for up to a year. This benefits the traceability and reproducibility of analysis.



Promise a lot. Deliver more.



SUPERFLUXX NITROGEN GENERATORS

Nitrogen for the entire Laboratory

Are you looking for a generator with a higher flow rate? SuperFluxx generators can be modularly expanded to flows of 250m³/hour and more. Of course we can supply, install and maintain all peripheral components for a turn-key nitrogen system.

Benefits of Membrane Technology

SuperFluxx nitrogen generators are based on Parker membrane technology. This has advantages over competitors and other technologies such as Pressure Swing adsorption. A major advantage is that Parker membranes require no warm-up time and almost immediately reach nitrogen purity after start up. Other advantages of membrane technology are:

- No moving parts > very reliable
- Simplified maintenance
- Ultra quiet nitrogen production
- Compact due to built-in filtration
- Standard compressed air supply is sufficient
- Most reliable nitrogen production technology

Display Values / Functions

- Nitrogen Pressure
- Nitrogen Purity / Oxygen content
- (service) Hour counters incl. maintenance reminder
- Purity & Pressure alarm
- Pressure dew point of the compressed air (optional)
- Service history
- Datalog of production values (1 year)
- Export datalog via USB
- Measuring cell calibration
- Auto-restart function

Specifications SuperFluxx model 5 - 20

Capacity N ² at 98%	4,5 to 35 m ³ /hour*
N ² Purity Range	95 % - 99,6 %
N ² Pressure Range	4 to 9 bar
Ambient Temperature	10 - 35 °C
Connection N ²	½" G
Connection Comp. Air	½" G
Connection Condensate	6 mm (push-up)
Power	230 VAC - 50 Hz
Dimensions (H x W x D)	186 x 65 x 56 cm
Weight (Depends on model)	90 - 250 kg
Compressed Air Quality	Class 3.4.2 (ISO 8573-1:2010)
Compressed Air Pressure	Min. 5 - Max. 10 bar

* SuperFluxx models can be expanded modularly up to 250 m³/h or more

Optional

- Moisture detection alarm
- Automatic Periodic Calibration
- Other custom adjustments in consultation

Capacities

M³ per hour at 7 bar external compressed air pressure

Model/Purity	99.5%	99.0%	98.0%	97.0%	96.0%	95.0%
SuperFluxx 5	2.1	2.9	4.5	6.3	8.3	10
SuperFluxx 10	4.2	6	9.9	13.8	18	22
SuperFluxx 10 ^E	4.5	6.7	10	13.7	17	x
SuperFluxx 15	4.6	7.2	12.6	17.5	22	27
SuperFluxx 15 ^E	6.8	9.8	14.6	19.2	23	31
SuperFluxx 20	6.2	9.6	16.7	23	29	35
SuperFluxx 20 ^E	9	13.4	20	27.4	34	-

^E Energy-efficient models with lower compressed air consumption

Call us on +31 (0)187 - 481366 or go to avilo.nl

