VERSATILE NITROGEN GENERATOR FOR VARIOUS APPLICATIONS

AV51 series nitrogen generators

A nitrogen generator from the AV51 series is the most complete on-demand nitrogen solution for the small to medium-sized nitrogen consumer. A versatile generator based on reliable membrane technology that can be used for a variety of applications.

Available in 8 models, all adjustable in pressure and purity. So there is always a model that seamlessly matches the nitrogen use of your application.

High quality (food grade) nitrogen gas

Simple to use, compact in size and low in maintenance without compromising on quality. Extensive compressed air pre-treatment removes particles, oil vapours, moisture and ozone. The integrated activated carbon adsorber also removes odors and flavors from the incoming compressed air. As a result, the nitrogen product can be used for food and beverage applications.

Continuous production without worries

The AV51 units are designed with continuous 24/7 use in mind. After connecting to a standard compressed air supply, the generator will start/stop without further user assistance and create unlimited nitrogen gas for your application. 24 hours a day, 365 days a year. This way you can continue to focus on your application without worrying about the gas supply.

Nitrogen quality assured

Integrated compressed air pre-treatment ensures the delivery of a high quality dry nitrogen gas that is free of impurities and immediately ready for use. To guarantee quality, the nitrogen values are continuously monitored by internal sensors. A clear display of the measured values can be read on the touchscreen and are stored within the controller for up to a year.

Avilo
NITROGEN

AIR N2 O2 **Avilo**
Quality Air & Gas

Promise a lot. Deliver more.

AV51 SERIES
NITROGEN GENERATORS

Intuitive Controller

The touchscreen display provides a clear representation of the measured production values and the generators settings in various languages. In addition, the intuitive AVILO OS6 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.

Optional

- Moisture detection alarm
- Automatic Calibration system
- Aluminum Frame for standing installation
- Different color housing
- Other custom adjustments in consultation

Specifications
AV51 series

Capacity N² at 98%	8 to 110 l/min
N² Purity Range	95 % - 99,6 %
N² Pressure Range	4 to 9 bar
Connection N²	3/8" G
Connection Comp. Air	3/8" G
Connection Condensate	6 mm (push-up)
Ambient Temperature	10 - 35 °C
Power	230 VAC - 50 Hz
Dimensions (H x W x D)	83 x 47 x 27 cm*
Weight (Depends on model)	37- 47 kg
Compressed Air Quality	Class 3.4.2 (ISO 8573-1:2010)
Compressed Air Pressure	Min. 5 - Max. 10 bar

* AV51 SA708 & ST6010 PF - 83 x 47 x 34 cm

Capacities

Liters per minute at 7 bar external compressed air pressure

Model/Purity	99.5%	99.0%	98.0%	97.0%	96.0%	95.0%
AV51 ST604 HE	-	11	19	25	31	37
AV51 2SA604 HE*	13	22	34	44	54	60
AV51 ST606 HE	-	22	35	48	60	71
AV51 DT604 HE	22	32	47	59	76	90
AV51 TT604 HE	29	44	64	85	104	123
AV51 SA708 HE*	30	47	69	91	114	138
AV51 ST6010 HE	-	58	98	132	171	212
AV51 TT606 HE	52	78	115	150	183	219

* Energy-efficient models with lower compressed air consumption

Display Values / Functions

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

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