

# N<sub>2</sub>-Generator25

FULLFILLING HIGHEST GAS QUALITY REQUIREMENTS



The N<sub>2</sub>-Generator25 was particularly developed for the autonomous, mobile and by that flexible use of analytical devices where zero air is no option e.g. testing of flammable gases. Using the N<sub>2</sub>-Generator25 makes cylinders of operating gas redundant allowing analyzers to be operated continuously with nitrogen of highest quality (grade 5.0) supplied from enriched ambient air. The integrated compressor allows operation independently from compressed air so that only electrical power is needed.

The N<sub>2</sub>-Generator25 has a compact 19" enclosure, a very simple and by that very user friendly interface made for lab same as for field personnel. Standard stainless steel connectors enable a convenient 'plug-and-play' coupling of the machine to analytical devices.

The applied pressure-swing technology (PSA) enables auto-regeneration of the O<sub>2</sub>-retarding filters while the integrated molecular sieves assure that ambient air of even elevated humidity can be handled. Thus exchange of filters (depending on concentrations of impurities, chemical compounds and humidity) are typically in the range of beyond 6 month.

## ADVANTAGES:

- Enhanced flexibility for the use of analytical devices (remote areas or where gas cylinders are not accepted/available).
- Autarkic gas supply
- Rugged set-up
- Built-in compressor (output pressure up to 4 bar)
- Compact design
- Regenerative PSA technology
- No cylinder management needed
- Low costs (no additional gas consumption)
- No restriction regarding flammable gases
- Self-check feature (output pressure)
- Compatible with all G.A.S. devices

## TECHNICAL SPECIFICATION

**Technology:** Pressure-Swing-Adsorption (PSA)

**N<sub>2</sub>-Quality:** ~99.999 % (5.0 purity)  
O<sub>2</sub>: <10 ppm\*<sup>1</sup>  
Dew point: -60°C  
Hydrocarbons: <0.05 ppm (opt.)

**Pneumatics:** Output Flow ≤500 mL/min\*<sup>2</sup>  
Pressure: ≤4.0 bar (58 psi)

**Fittings:** stainless steel 1/8" BSPP

**Housing:** 19" compatible, IP20  
CE marking

**Altitude:** <2,000 m

**Voltage:** 100-240V AC, 47 - 63Hz – 2A  
**Connection:** IEC320-C14  
**Power:** max.320 W

**Dimensions:** 48.5 x 56 x 18.5 cm (WxDxH)

**Weight:** 27 kg

**Temperature:** 5 - 35°C (41-95°F)

**Humidity (RH):** 20 - 80 % (77°F)\*<sup>3</sup>

**Noise:** ≤55 dB(A)

\*<sup>1</sup> other compounds are neglected

\*<sup>2</sup> gas consumption must be restricted by consuming device

\*<sup>3</sup> at 25°C, non-condensing