

Brezza by CLAI ND

# NiGen HF



*“When technology and innovation come together in high purity”*

**Nitrogen Generator**



## MODEL

# NiGen HF-1

- ✓ **PSA molecular sieve technology** dedicated to offer UHP Nitrogen for GC and ICP
- ✓ **CLAIND "Fast Purity" patent** that allows the delivery of high-purity nitrogen within 30 minutes
- ✓ **Built-in compressor** oil free including 2 x 50 l. tanks for Compressed Air and Nitrogen
- ✓ **Highly reliable Air compressor** with **maintenance** required only after 16,000 hours of work
- ✓ **2 gas outlets** available: UHP Nitrogen and Oil Free Air

## FEATURES

- Special built-in full oil-free compressor
- Extremely quiet thanks to sound-proofing and antivibration measures
- Very high purity also guaranteed by an innovative control software, interfaced with the CPU or every PC for remote control, up to 32 units
- **CPU with Touch Screen Display** allows the **monitoring of operational status** and menus with report alarms and functioning parameters. The CPU has also an Ethernet output for the connection to PCs
- Equipped with full turn wheels for easy moving

## APPLICATIONS

Gas Chromatography, Circular Dichroism, ICP



## TECHNICAL SPECIFICATIONS

FLOW RATE	6 NI/min $\pm$ 10% a 2000 m slm
TECHNOLOGIES EMPLOY	PSA CLAIND
OUTPUT PRESSURE	0 - 7 bar/0 - 100 psi $\pm$ 3%
PURITY	99,9995%
OIL FREE COMPRESSOR	Included
ELECTRICAL SUPPLY	115 Vac $\pm$ 10% 60 Hz 1,9 kW 230 Vac $\pm$ 10% 50 Hz 1,6 kW
INDEX OF PROTECTION	IP20
NOISE	< 50 dBA during the stand by of the compressor < 65 dBA with compressor running
OPERATING TEMPERATURE	5°C fino 35°C (41°F fino 95°F)
ENVIRONMENTAL HUMIDITY	max 90% without condensation
DIMENSIONS	Height: 132 cm/52" Width: 44 cm/17.3" Depth: 110 cm/43.3"
WEIGHT	version HF-1 220 kg/489 lbs
PNEUMATIC CONNECTIONS	Compressed air inlet: G 1/4" female Nitrogen outlet: G 1/4" female
WARRANTY	2 years

## TECHNOLOGY

PSA technology (Pressure Swing Adsorption)  
Fast Purity CLAIND Patent

## CERTIFICATIONS



PSA with CMS and international patent **FAST PURITY®**





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