

NIGEN HF



“When technology and innovation come together in high purity”

NITROGEN GENERATOR



MODEL

NiGen HF-1

- ✓ It makes use of **Pressure Swing Adsorption** technology (PSA) , which, through the use of specially selected molecular sieves (CMS) , enable to obtain extremely pure nitrogen
- ✓ **CLAIND "Fast Purity"** patent which allows high-purity nitrogen delivery within 30 minutes
- ✓ **Built-in oil-free compressor** with two 50 l. internal tanks, one for compressed air and the other for nitrogen
- ✓ **Highly reliable air compressor** which requires a **maintenance** 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** connectable with CAN - BUS to the generators (up to 32 units) which allows the monitoring of operational status. The CPU includes also an Ethernet output for the connection to PCs and to Internet through a router
- 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
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	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®**





CLAIND

GAS GENERATORS AND PURIFIERS

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