

NiGen HF

**Nitrogen Generators
for Gas Chromatography
and ICP**



**NiGen HF-0
NiGen HF-1**

NiGen HF-0/HF-1

FEATURES

- Fast Start included to guarantee UHP after only 30' functioning
- HF-1 version with special built-in full oil-free compressor
- extremely quiet thanks to special sound-proofing and antivibration measures
- maintenance of the compressor required after 14.000 functioning hours
- facility for connection to the factory compressed air line in the -0 version (without compressor)
- 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 and to Internet through a router
- software available for remote monitoring via internet
- equipped with full turn wheels for easy moving



TECHNICAL FEATURES

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| FLOW RATE | 3 NI/min |
| TECHNOLOGIES EMPLOYED | PSA |
| OUTPUT PRESSURE | 0 - 7 bar/0 - 100 psi |
| PURITY | 99,9995% |
| COMPRESSOR | included only in the HF-1 version |
| AIR INPUT CHARACTERISTICS x HF-0 version | particulate $\leq 0,01 \mu\text{m}$ - oil vapors $\leq 0,01 \text{ mg/m}^3$ moisture $\leq 3^\circ \text{C}$ dew point in pressure min pressure: 8.5 bar/120 psi min flow rate: 36 NI/min |
| ELECTRICAL SUPPLY x HF-0 | 115/230 Vac $\pm 10\%$ 50-60 Hz 100 W |
| ELECTRICAL SUPPLY x HF-1 | 115 Vac $\pm 10\%$ 60 Hz 1,5 kW 230 Vac $\pm 10\%$ 50 Hz 1,2 kW |
| INDEX OF PROTECTION | IP20 |
| OPERATING TEMPERATURE | 5°C - 40°C/40°F - 104°F |
| ENVIRONMENTAL MOISTURE | $\leq 80\%$ |
| MAX ALTITUDE | 2000 m asl |
| DIMENSIONS | height 130 cm/51.1" width 44 cm/17.3" depth 110 cm/43.3" |
| WEIGHT | HF-0 version 130 kg/ 286 lbs HF-1 version 150 kg/330 lbs |

ACCESSORIES

- Inlet air coalescing filter (for HF-0 version)
- UHP filtration kit
- 3 point pressure regulator kit
- Installation kit
- Automatic 2 sources switch kit



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