



Data Sheet HU-100C Rev. 1.01 Page 1 of 2

NITROGEN-BASED SPRINKLER CORROSION INHIBITING

SELF-CONTAINED HLN-NF SERIES

FEATURES

- Fully factory assembled, adjusted, and tested
- No field assembly required
- Just attach AC power and run piping to sprinkler riser
- Built-in UL Listed oilless air compressor
- UL Listed refrigerated dryer delivers -40°F dew point air
- Membrane-based nitrogen generation
- Built-in particulate and coalescing filters
- Single or multiple riser capable
- Nominal 20 gallon nitrogen receiver
- Digital compressor runtime monitor
- Leveling feet
- Rugged steel construction
- Hand-held nitrogen analyzer INCLUDED with every unit

BENEFITS

- Saves installation, assembly, and testing time
- Smallest footprint complete nitrogen system available today
- Quicker commissioning – just place, connect, and it's ready
- Nitrogen generation from just one unit
- Expert technical support
- Best available air drying and filtration for long life and low maintenance
- Reliable, long lasting nitrogen generation
- Easy inspection and maintenance
- Reliable, dependable protection that functions as designed

Description

The Huguenot Laboratories HLN-NF Series are economically-priced completely self-contained nitrogen-based sprinkler corrosion inhibiting systems. The units are factory assembled and tested, and are ready for connection to the sprinkler system riser. The assemblies consist of a compressor, refrigerated air dryer, nitrogen generator, and nitrogen receiver. The assembly provides nitrogen for filling the interior of a dry or preaction sprinkler system with nitrogen at 98% or greater purity. The HLN-NF Series is the perfect solution for adding nitrogen to existing systems already equipped with initial-fill air compressors, or new systems where a source for initial-fill compressed air can be provided.

Technical Specifications

| Model No. | Maximum Total System Capacity for N2 Generation* (gallons) | Approximate Current Draw – 115 VAC 60Hz Single Phase | Guideline – Maximum Number of Sprinkler Risers |
|-----------|--|--|--|
| HLN-NF-S | 900 | 8.5 A | 3 |
| HLN-NF-M | | Coming Soon | |
| HLN-NF-L | | Coming Soon | |

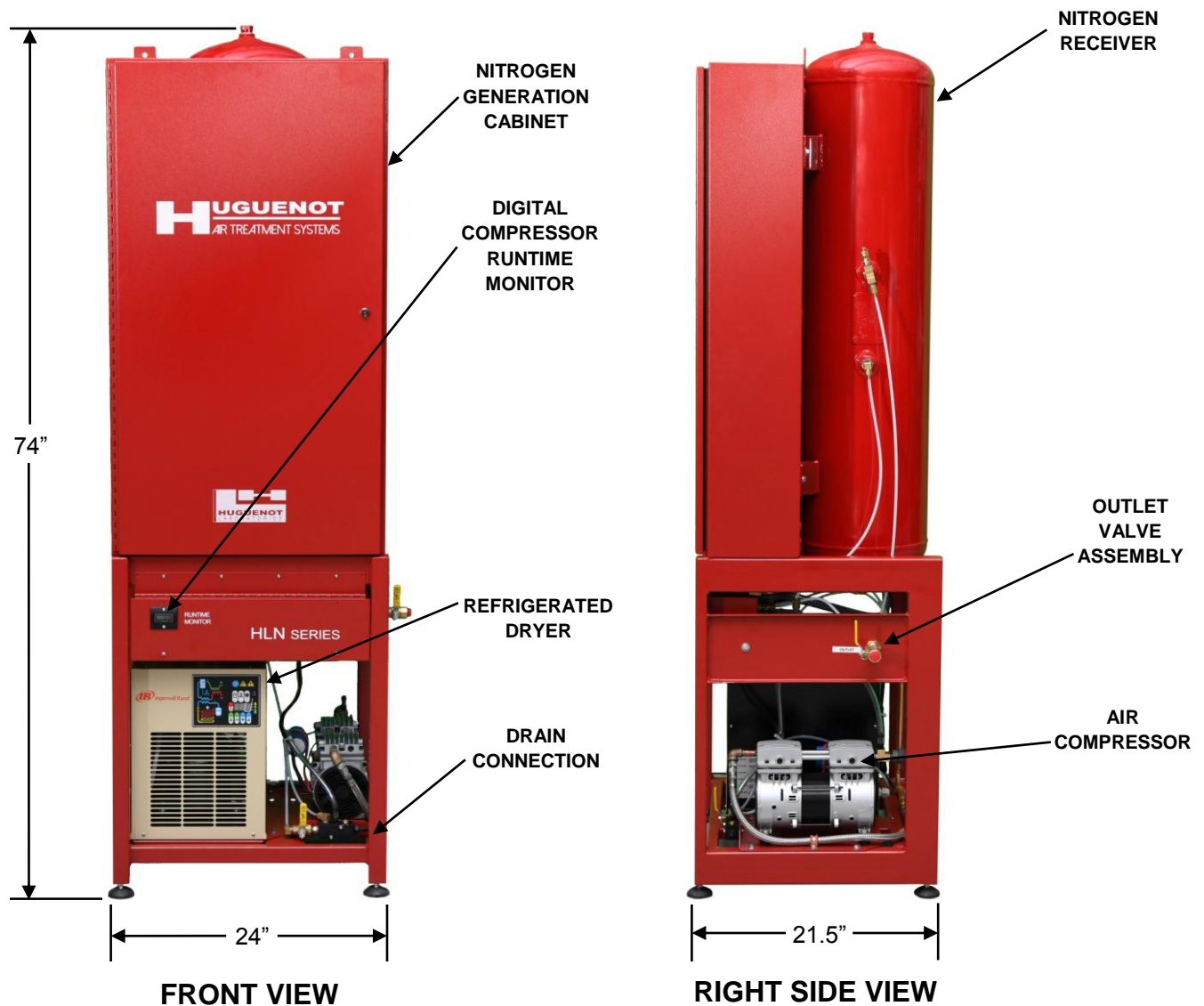
*Maximum capacity value is based on sprinkler piping leakage not exceeding NFPA 13 – 2016 25.5.2 acceptance requirement of maximum 1-1/2 PSIG air pressure loss in 24 hours starting at 40 PSIG.

- Approximate shipping weight = 425 lbs.
- Approximate installed weight = 360 lbs.
- Refrigerated dryer capacity = 7 Standard Cubic Feet per Minute
- Nitrogen receiver = 20 gallons, ASME Coded

IMPORTANT

Huguenot Laboratories recommends performing a leakage test on each fire sprinkler system, and correcting excess leakage, before designing, installing, and commissioning a Huguenot Air Treatment Systems HLN-NF system.





External Connections

- Qty. (1) Outlet for Nitrogen
- Qty. (1) 5 Foot Length of Flexible Conduit and Wire for Single-Point Connection of 115 VAC Single Phase Power for All Power Requirements – Accessible from Either Side
- Qty. (1) Single-Point Drain Connection for Refrigerated Dryer, Nitrogen Generator, and Nitrogen Receiver Drains
- Qty. (1) Dry Contact (NO – closes upon activation) for Supervision of Nitrogen Bypass (Optional)

Ordering Information

Model HLN-NF includes:

- Qty. (1) Huguenot Air Treatment Systems HLN-NF Assembly
- Qty. (1) Installation Kit with:
 - Outlet Valve Assembly
 - Flexible Hose
 - Model HNA-2 Hand-Held Nitrogen Analyzer
- Qty. (1) Installation, Commissioning, and Maintenance Manual

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