

Modular, Portable, "One-Touch" Operation



Reduce Costs, Increase Profits!

Using an in-house nitrogen generator to supply your nitrogen gas demand is the easiest way to reduce nitrogen related costs, and thus increase profits.

The NitroBreeze™ System has been specifically designed to fit the needs of small-to-medium sized businesses in order to eliminate barriers related to footprint, cost, and limited experience. Critical components are protected from ambient dust and inadvertent tampering.

For most needs in this range, a model can be found which will fit through standard doors. With a small footprint, and One-Touch operation, installation and startup are a "Breeze"!

Major Features:

- Nitrogen purity up to 99.9995%
- Low to Moderate capacities
- Installation is a breeze!
- Fits through standard 36" door
- Fully plug and play
- Easy "One-Touch" operation
- Password protected screens
- EnergyAssistant™ option available
- HoltecConnect Lite™ option available
- Includes Holtec Prevue™ technology

70 °F Performance (SCFM)

| Model Number | 95% | 96% | 97% | 98% | 99% | 99.5% | 99.9% | 99.95% | 99.99% | 99.995% | 99.999% |
|--------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---------|---------|
| HNBS-30M | 13.3 | 12.1 | 11.1 | 9.4 | 7.5 | 6.7 | 5.0 | 4.4 | 3.3 | 2.9 | 2.2 |
| HNBS-40M | 17.4 | 15.9 | 14.6 | 12.3 | 9.9 | 8.8 | 6.6 | 5.8 | 4.4 | 3.8 | 2.9 |
| HNBS-50M | 23.0 | 21.0 | 19.3 | 16.3 | 13.1 | 11.6 | 8.7 | 7.7 | 5.8 | 5.0 | 3.8 |
| HNBS-60M | 28.4 | 25.9 | 23.9 | 20.1 | 16.2 | 14.3 | 10.8 | 9.5 | 7.2 | 6.2 | 4.7 |
| HNBS-75M | 35.1 | 32.0 | 29.5 | 24.8 | 20.0 | 17.7 | 13.3 | 11.8 | 8.8 | 7.7 | 5.8 |
| HNBS-90M | 42.3 | 38.5 | 35.5 | 29.9 | 24.1 | 21.3 | 16.0 | 14.2 | 10.7 | 9.3 | 7.0 |
| HNBS-110M | 49.6 | 45.2 | 41.6 | 35.0 | 28.2 | 24.9 | 18.8 | 16.6 | 12.5 | 10.8 | 8.2 |
| HNBS-125M | 58.4 | 53.1 | 49.0 | 41.2 | 33.2 | 29.3 | 22.1 | 19.5 | 14.7 | 12.8 | 9.6 |
| HNBS-145M | 64.8 | 58.9 | 54.4 | 45.7 | 36.8 | 32.6 | 24.5 | 21.7 | 16.3 | 14.2 | 10.6 |
| HNBS-165M | 76.2 | 69.3 | 63.9 | 53.8 | 43.3 | 38.3 | 28.8 | 25.5 | 19.2 | 16.7 | 12.5 |
| HNBS-195M | 89.1 | 81.0 | 74.7 | 62.9 | 50.6 | 44.8 | 33.7 | 29.8 | 22.4 | 19.5 | 14.6 |
| HNBS-220M | 101.0 | 91.9 | 84.7 | 71.3 | 57.4 | 50.7 | 38.2 | 33.8 | 25.4 | 22.1 | 16.6 |
| Air Factor | 1.817 | 1.887 | 1.976 | 2.100 | 2.312 | 2.522 | 3.002 | 3.234 | 3.849 | 4.107 | 4.693 |

Performance and air factor listed is for ambient temperature 70° F and inlet pressure 110 psig. Please consult Holtec for performance at other conditions. Air factor listed may vary by ±5%.

95°F Performance (SCFM)

| Model Number | 95% | 96% | 97% | 98% | 99% | 99.5% | 99.9% | 99.95% | 99.99% | 99.995% | 99.999% |
|--------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---------|---------|
| HNBS-30M | 12.5 | 11.6 | 10.3 | 8.9 | 7.1 | 6.2 | 4.6 | 4.0 | 3.0 | 2.6 | 1.9 |
| HNBS-40M | 16.4 | 15.2 | 13.6 | 11.6 | 9.4 | 8.1 | 6.0 | 5.3 | 3.9 | 3.4 | 2.5 |
| HNBS-50M | 21.7 | 20.1 | 17.9 | 15.4 | 12.4 | 10.7 | 7.9 | 7.0 | 5.2 | 4.5 | 3.4 |
| HNBS-60M | 26.8 | 24.8 | 22.1 | 19.0 | 15.3 | 13.2 | 9.8 | 8.6 | 6.4 | 5.6 | 4.1 |
| HNBS-75M | 33.1 | 30.6 | 27.3 | 23.5 | 18.9 | 16.4 | 12.1 | 10.6 | 7.9 | 6.9 | 5.1 |
| HNBS-90M | 39.9 | 36.9 | 32.9 | 28.3 | 22.7 | 19.7 | 14.6 | 12.8 | 9.5 | 8.3 | 6.2 |
| HNBS-110M | 46.7 | 43.2 | 38.6 | 33.1 | 26.6 | 23.1 | 17.1 | 15.0 | 11.1 | 9.8 | 7.2 |
| HNBS-125M | 54.9 | 50.8 | 45.4 | 39.0 | 31.3 | 27.2 | 20.1 | 17.7 | 13.1 | 11.5 | 8.5 |
| HNBS-145M | 61.0 | 56.4 | 50.4 | 43.3 | 34.8 | 30.2 | 22.3 | 19.6 | 14.5 | 12.8 | 9.5 |
| HNBS-165M | 71.8 | 66.3 | 59.3 | 50.9 | 40.9 | 35.5 | 26.3 | 23.1 | 17.1 | 15.0 | 11.1 |
| HNBS-195M | 83.8 | 77.5 | 69.3 | 59.5 | 47.8 | 41.5 | 30.7 | 27.0 | 20.0 | 17.6 | 13.0 |
| HNBS-220M | 95.1 | 87.9 | 78.6 | 67.4 | 54.2 | 47.0 | 34.8 | 30.6 | 22.7 | 19.9 | 14.7 |
| Air Factor | 1.924 | 2.002 | 2.103 | 2.245 | 2.485 | 2.722 | 3.266 | 3.568 | 4.340 | 4.665 | 5.401 |

Performance and air factor listed is for ambient temperature 95°F and inlet pressure 110 psig. Please consult Holtec for performance at other conditions. Air factor listed may vary by ±5%.

Physical Characteristics

Notes:

N₂ pressure will typically be 20 psi lower than compressor outlet pressure (with reasonable pressure drop for filters included). In some cases, lower pressure drop may be possible. Please consult factory for details where relevant.

| Model Number | Max inlet Pressure (psig) | Inlet Connection | Outlet Connection | L (in.) | W (in.) | H (in.) | Weight (lb) |
|--------------|---------------------------|------------------|-------------------|---------|---------|---------|-------------|
| HNBS-30M | 150 | 3/4" | 1/2" | 35 | 26 | 80 | 702 |
| HNBS-40M | 150 | 3/4" | 1/2" | 35 | 26 | 100 | 738 |
| HNBS-50M | 150 | 3/4" | 3/4" | 35 | 26 | 80 | 870 |
| HNBS-60M | 150 | 3/4" | 3/4" | 35 | 26 | 96 | 1000 |
| HNBS-75M | 150 | 1" | 3/4" | 35 | 30 | 80 | 1060 |
| HNBS-90M | 150 | 1" | 3/4" | 35 | 30 | 100 | 1194 |
| HNBS-110M | 150 | 1.5" | 1" | 35 | 30 | 80 | 1292 |
| HNBS-125M | 150 | 1.5" | 1" | 35 | 30 | 91 | 1443 |
| HNBS-145M | 150 | 1.5" | 1" | 35 | 37 | 85 | 1500 |
| HNBS-165M | 150 | 1.5" | 1" | 35 | 37 | 96 | 1630 |
| HNBS-195M | 150 | 1.5" | 1" | 35 | 39 | 90 | 1850 |
| HNBS-220M | 150 | 1.5" | 1" | 35 | 39 | 99 | 2025 |

Typical Flow Diagram with Lubricated Screw Compressors

