

N2 Series Compressorless Nitrogen Generators



This nitrogen gas generator produces a continuous, on-demand supply of nitrogen using a high-efficiency filtration system and membrane separation technology. It pre-treats compressed air to remove contaminants down to 0.01 micron and subsequently hollow fiber membranes separate the clean air into a concentrated nitrogen output stream and an oxygen enriched permeate stream, which is vented from the system.

Product Features:

- No electricity required
- Compact design frees up valuable laboratory floor space
- Phthalate-free, no organic vapors
- Unlike PSA technology, membrane will not suppress corona needle discharge.
- Gas separation membrane with High-Fluxx fiber
- Silent operation

Applications:

- LC-MS
- Nebulizer gas
- Solvent evaporation
- Evaporative light scattering detector (ELSD)
- Tri-Gas incubators



| Model | Number of LCMS instruments |
|--------|----------------------------|
| N2-14 | 1 |
| N2-22 | Up to 2 |
| N2-35 | Up to 3 |
| N2-120 | Up to 5 |
| N2-160 | Up to 7 |
| N2-240 | Up to 10 |
| N2-200 | Up to 17 |

For single larger nitrogen systems to support from 18-50+ instruments, please consult our factory at 800-343-4048.

Ordering Information

Low Flow Generators

| Part Number | Galvanic Cell | Annual Maintenance Kit | Installation Kit | Preventative Maintenance Plan | Extended Support with 24 Month Warranty |
|-------------|---------------|------------------------|------------------|-------------------------------|---|
| N2-14 | N/A | MK7572C | IK7572 | N2-14-PM | N2-14-DN2 |
| N2-22 | N/A | MK7572C | IK7572 | N2-22-PM | N2-22-DN2 |
| N2-35 | N/A | MK7572C | IK7572 | N2-35-PM | N2-35-DN2 |



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Mid Flow Generator

| Part Number | Galvanic Cell | Annual Maintenance Kit | Installation Kit | Preventative Maintenance Plan | Extended Support with 24 Month Warranty | Carbon Tower |
|-------------|---------------|------------------------|------------------|-------------------------------|---|--------------|
| N2-120 | N/A | 75478 | IK75880 | N2-120-DN2 | N2-120-EN2 | 75344 |
| N2-160 | N/A | 75478 | IK75880 | N2-160-DN2 | N2-160-EN2 | 75344 |
| N2-240 | N/A | 75478 | IK75880 | N2-240-DN2 | N2-240-EN2 | 75344 |

High Flow Generator

| Part Number | Optional Oxygen Monitor Kit | 6 Month Maintenance Kit | Installation Kit | Preventative Maintenance Plan | Extended Support with 24 Month Warranty |
|-------------|-----------------------------|-------------------------|------------------|-------------------------------|---|
| N2-200 | B04-0605 | MKN2-200 | N2-200PM-INST | N2-200PM | N2-200EN2 |

Principal Specifications

| | Low Flow Models N2-14, -22 & -35 | | | | Mid Flow Models N2-120, 160 & 240 | Super High Flow N2-455 |
|--|---|---------|--|---------|--------------------------------------|------------------------------------|
| Nitrogen Purity | 95.0% - 99.5% | | | | 95.0% - 99.5% | 96.0 - 99.5% |
| Atmospheric Dewpoint | -58°F (-50°C) | | | | -58°F (-50°C) | 40°F (5°C) |
| Suspended Liquids | None | | | | None | None |
| Particles > 0.01µm | None | | | | None | None |
| Commercially Sterile | Yes | | | | Yes | Yes |
| Hydrocarbons | None | | | | None | None |
| Phthalates | None | | | | None | None |
| Min./Max. Operating Pressure | 60/145 psig | | | | 60/145 psig | 20 psig |
| Max. Pressure Drop @ 99% N2 Purity, 125 psig | 10 psig | | | | 10 psig | 10 psig |
| Recommended Ambient Operating Temp. | 68°F (20°C) | | | | 72°F (22°C) | 68°F (20°C) |
| Maximum Inlet Temperature | 110°F (43°C) | | | | 110°F (43°C) | 60/95°F (16/41°C) |
| Inlet/Outlet Ports | 1/4" NPT | | | | 1/2" NPT | 1/2" NPT |
| Electrical Requirements | None | | | | None | None |
| Shipping Weight - lbs (kg) | N2-04 | N2-14 | N2-22 | N2-35 | 250 (114) | 239 (108) |
| | 42.5 (19) | 75 (34) | 80 (36) | 90 (41) | | |
| Dimensions LxWxD - in (cm) | 16.1" x 10.7" x 13.4" (40.9 x 27.2 x 34) | | 51.5" x 18" x 16.2" (130.8 x 45.7 x 41.1) | | 67" x 24" x 20" (140 x 61 x 50) | 67" x 24" x 20" (170 x 61 x 50) |

