

# N<sub>2</sub>GEN HPCD-01D



Portable, reliable, and self-contained, the HPC-1D deployable nitrogen generator is designed to provide high-pressure, oil-free nitrogen on demand for a wide range of military applications in field conditions, on flight-lines, and in mobile or fixed shops.

## FEATURES:

- Heavy duty protective case
- Fully integrated, self-contained system, with twin oil free air compressors, heavy-duty N<sub>2</sub> membrane separator, low pressure N<sub>2</sub> tank, and two stage direct drive booster
- No Purge Requirement on Tank prior to filling giving you a short fill time
- Auto shutoff, inlet/outlet gauges, hour meter
- 9" diameter, high tread rubber wheels with extended handles on opposite end for easy transport across various terrain
- Fold out, pin lock, wheel assembly that easily folds out of the way for lifting and transport
- Topside control panel with slanted mount
- External single bottle rack & strap mounted on back of case
- Easy removal design of major components for maintenance access
- Top side compartments for storage



## DESIGNED FOR:

- High-pressure, gas suspensions
- Filling vehicle and aircraft tires and struts
- Backpack systems (NBK and similar)
- M777 recoil systems
- Fire suppression refill
- Cylinder fill for backup supplies
- Any other high- or low-pressure use

Specifications	N <sub>2</sub> GEN HPC-1D
Minimum nitrogen purity	99%
Outlet pressure	2200 psig or 3500 psig
Fill rate standard 2200 psig cylinder*	Approximately 245 cubic feet in 6 hours
Fill rate standard 3500 psig cylinder*	Approximately 330 cubic feet in 9 hours
Fill rate "backpack" 3500 psig cylinder*	Approximately 65 cubic feet in 100 minutes
Electrical requirements	240v / 50-60Hz / 1ph - Hubbell or GenSet connection
Power rating	25 Amps
Cylinder fill push to connect hoses	7" high pressure fill lines with CGA 580 and 680 fittings
Part number	HPCD-01D-DA
Dimensions	54" W x 40.63" D x 31.63" H (wheels open) / 48" W x 37" D x 31.63" H (wheels closed)
Weight	450 lbs.
Warranty	1 Year

1. Per Manufacturer's Terms & Conditions.

\*Partially filled cylinders will fill to max pressure in fewer hours. Rate is stated at 220v/60hz; fill rate at 50Hz is approximately 18% longer.

## Unlock Peak Performance with Our Comprehensive Life Cycle Maintenance!

Are you looking to maximize uptime, efficiency, and peace of mind for your nitrogen generation system? Our **Life Cycle Maintenance** is designed to keep your equipment running at optimal performance while minimizing unexpected downtime and costly repairs. Here's how we do it:

1. **Filter Replacements:** Ensure clean, reliable airflow by replacing filters every 500 hours. This simple in-house task protects against contaminants and extends system longevity.
2. **Factory service:** Send systems to South-Tek every 1,000 hours or 60-days prior to deployment for factory service & tuning to ensure optimal performance. Our experts inspect & service your unit to ensure peak performance and a longer lifespan.
3. **Membrane and Compressor Maintenance:** Our plan includes thorough care for membranes and compressors, detecting and resolving wear or performance issues to prevent failures.

Ready to take the next step?

**Contact us today to secure the best performance and highest reliability for your nitrogen generation system.**

910.415.1880 | [service@southteksystems.com](mailto:service@southteksystems.com)

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- M777 recoil systems
- Fire suppression refill
- Cylinder fill for backup supplies
- Any other high- or low-pressure use

## FEATURES:

- Heavy duty weather-proof case with protectors to shield from water
- Fully integrated, self-contained system, with twin oil free air compressors, heavy-duty N<sub>2</sub> membrane separator, low pressure N<sub>2</sub> tank, and two stage direct drive booster
- Auto shutoff, inlet/outlet gauges, hour meter
- 9" diameter, high tread rubber wheels with extended handles on opposite end for easy transport across various terrain
- Fold out, pin lock, wheel assembly that easily folds out of the way for lifting and transport
- Topside control panel with slanted mount
- External single bottle rack & strap mounted on back of case
- Easy removal design of major components for maintenance access
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Fully operable with case closed for protection.

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