N₂GEN 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 N2 membrane separator, low pressure N2 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	N₂GEN HPC-1D
Minimum nitrogen purity	99%
Outlet pressure	2200 psig or 3500 psig
Fill rate standard 2200 psig	Approximately 245 cubic feet in 6 hours
Fill rate standard 3500 psig	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.

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 <u>500 hours</u>. 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



^{*}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.

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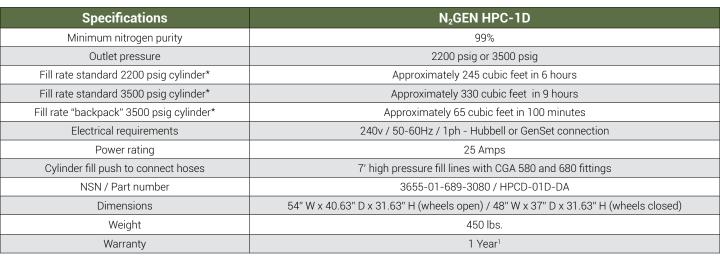
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- Any other high- or low-pressure use

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 N₂ membrane separator, low pressure N₂ 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
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