



Take Control of Your Nitrogen

Since 2006 South-Tek Systems has been supporting the nitrogen needs of the US Military with self-sustaining solutions. Our best-in-class nitrogen generation technology is coupled with specific design features for the unique needs of the military. N₂GEN systems deliver high-quality nitrogen on-demand for military applications such as:

- HPCD-01D: Supports the Army and USMC JLTV and Stryker hydro-pneumatic, independent suspension systems and M-777 howitzer firing system

Nitrogen where and when you need it: Access to quality nitrogen gas can be costly and problematic for maintainers tasked with the service and upkeep of critical equipment and instrumentation, particularly in remote locations overseas. The N₂GEN Military Series economically solves this problem and reliably generates nitrogen on-demand anywhere it is needed. With over two decades of experience delivering reliable generators and providing superior customer service, South-Tek has earned a reputation as *the nitrogen expert*.

Self-sustainable Nitrogen Solutions Specifically for the Military



No More Deliveries



Compact Footprint



Simple Maintenance



Durable Design



Portable

CONTACT: Email milsales@southteksystems.com or call 888-526-6284



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.

DESIGNED FOR:

- Filling vehicle and aircraft tires and struts
- High-pressure, gas suspensions
- Backpack systems (NBK and similar)
- 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 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
- 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



Fully operable with case closed for protection.

Specifications	N ₂ 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
NSN / Part number	3655-01-689-3080 / 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

* 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.

1. Per Manufacturer's Terms & Conditions.

