



## 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. N<sub>2</sub>GEN systems deliver high-quality nitrogen on-demand for military applications such as:

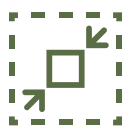
- HPCF-K06: Supports the Army and USMC JLTV and Stryker hydro-pneumatic, independent suspension systems and M-777 howitzer firing system
- HPCF-K02: Incorporated into the US Army's Fire Suppression Refill System trailer fielded by PM Sets, Kits Outfits and Tools (PMSKOT)

**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 N<sub>2</sub>GEN 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

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# N<sub>2</sub>GEN HPCF-K0



The HPCF-K0 series uses PSA filtration technology to deliver high quality, clean, dry nitrogen with low pressure tank, air powered booster, and cylinder fill stand on a compact skid.

## DESIGNED FOR:

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

## FEATURES:

- Built-in, user friendly PLC with 3.5" color touchscreen
- Auto-off when cylinder fill is complete
- Manual start/stop capability
- Attached fill stand with 2, 4 or 6 high pressure leads and stability straps
- Fills alternate size cylinders up to 2200 psig or 3000 psig
- Integrated, low maintenance, air powered N<sub>2</sub> booster
- Easily connects to external source of required compressed air (not included)



## OPTIONS:

- Custom purity (up to 99.999%) and/or alternate cylinder fill rates
- Annual filter maintenance kit
- Complete air compressor package (*Continuous supply of clean, dry compressed air is required at 208-230v or 460v. Existing supply of compressed air may be used*)
- Booster lube/O-ring kit
- High purity O<sub>2</sub> Analyzer
- DOT K-type cylinder
- Alternate size cylinder straps (for securing smaller cylinders)
- Connections Kit (piping from air compressor and N<sub>2</sub>GEN)
- Start-up and commissioning (When included with initial purchase, warranty extended 12 additional months from ship date)

Specifications	HPCF-K02	HPCF-K04	HPCF-K06
Standard N <sub>2</sub> purity	99.9%		
Outlet pressure	2200 psig or 3000 psig		
Cylinder fill rate/24 hours <sup>1</sup>	Two (2)	Four (4)	Six (6)
No. HP filling leads included on skid	Two (2)	Four (4)	Six (6)
Electrical requirements	110-240V / 50-60Hz 1 Phase, <2 OP. Amps	110-240V / 50-60Hz 1 Phase, <2 OP. Amps	110-240V / 50-60Hz 1 Phase, <2 OP. Amps
Compressed air volume required <sup>2</sup>	12 SCFM	21 SCFM	35 SCFM
NSN / Part number	N/A	N/A	3655-01-689-5086 / HPCF-K06-0100-GG
Dimensions	42" W x 32" D x 62.59" H		
Skid Weight	650 lbs.	675 lbs.	695 lbs.
Warranty	1 Year <sup>3</sup>		

1. Standard N<sub>2</sub> Cylinders at approximately 245 SCF capacity @2200-2400 psig. Partially filled cylinders will fill to max pressure in fewer hours.

2. Compressed air must be dried to 39-45F dewpoint; minimum 100 psig inlet pressure to N<sub>2</sub> skid required.

3. Per Manufacturer's Terms & Conditions.

