PROUDLY MADE IN USA from US & imported components

N2GEN® HPCF Nitrogen Cylinder Filling Stations

Designed & Manufactured by South-Tek Systems, the Leader in Nitrogen Generation Technology

Stationary High Pressure N_2 Cylinder Fill Station
N_2GEN HPCF-K0(x) Series

The N_2GEN HPCF-K0(x) Nitrogen Gas Generator generates high quality, clean, dry N_2 at 2200 PSIG for filling N_2 gas cylinders. The N_2GEN includes a PSA nitrogen gas generator, low pressure tank, air powered booster, and cylinder fill stand, all incorporated on a compact skid that is simple to install. The N_2GEN HPCF requires only a source of clean dry compressed air and a 120-240v power connection. N_2GEN HPCF models are available to fill 2, 4 or 6 standard "K" type (245 cubic feet) N_2 gas cylinders in 24 hours. This system is designed to eliminate the need to purchase cylinders from the local gas company and is the perfect solution for areas that do not have easy access to an external supply of Nitrogen gas. It's a safe, convenient and cost-effective alternative to rental, delivery, and exchange of high-pressure nitrogen cylinders and easily fills cylinders of varying sizes to 2200 PSIG.

UL 508A

GENERATE NITROGEN ON DEMAND:

- Cost-effective, continuous N_2 supply for cylinder filling
- Eliminates gas run out or waiting for deliveries
- Safe, automated and inexpensive to maintain
- Simple installation and uses minimal space
- Long operating life – dependable 20+ year lifecycle
- Push-button automated cylinder recharge & auto-shut off
- Reduces costs - avoids HP cylinder delivery, rental and refill fees
- Perfect for locations where outside gas sources are limited

MILITARY APPLICATIONS:

- N_2 filling of tires & struts
- High pressure N_2 gas suspension recoil systems
- N_2 back pack systems (NBK and similar)
- Missile seeker head
- Fire suppression refill
- Cylinder fill for backup N_2 supplies
- Any other low or high pressure nitrogen uses

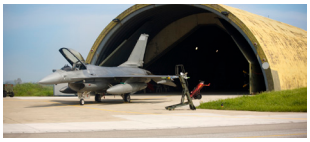
3700 U.S. Highway 421 N • Wilmington, North Carolina 28401 • 888 526 6284
www.southteksystems.com info@southteksystems.com
South-Tek Systems

SPECIFICATIONS: N_2GEN HPCF K0(x)

	HPCF-K02	HPCF-K04	HPCF-K06
Standard N_2 purity	99.9%	99.9%	99.9%
Outlet pressure	2200 PSIG	2200 PSIG	2200 PSIG
Cylinder fill rate/24 hours*	Two (2)	Four (4)	Six (6)
No. HP filling leads included on skid.	Two (2)	Four (4)	Six (6)
Electrical specs	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**	12 SCFM	21 SCFM	35 SCFM
Dimensions N_2 generator	42" W x 32" L x 63" H	42" W x 32" L x 63" H	32" W x 41" L x 66" H
Skid weight	650 lbs.	675 lbs.	695 lbs.
NSN / Part number	N/A	N/A	3655-01-689-5080 / HPCF-K06-0100-GG

Other nitrogen purities, fill rates, pressures, number of filling leads, and cylinder sizes can be customized upon request.

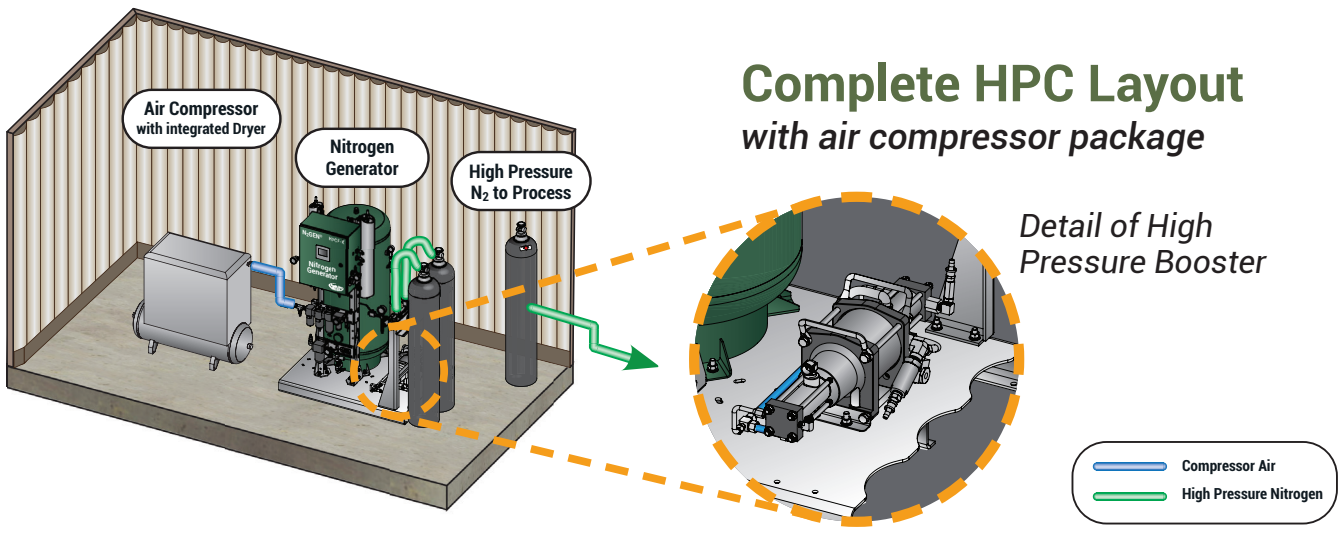
*Standard N_2 Cylinders at approximately 245 SCF capacity @2200-2400 psig. Partially filled cylinders will fill to max pressure in fewer hours.
**Compressed air must be dried to 39-45F dewpoint; minimum 100 psig inlet pressure to N_2 skid required.



Standard Features:

- Standard Nitrogen purity of 99.9%
- 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 (3000 PSIG as option)
- Integrated, low maintenance, air powered N_2 booster
- Easily connected to external source of required compressed air (not included)

Options: (Contact your Distributor, or milsales@southteksystems.com, for pricing)

- Custom purity and/or alternate cylinder fill rates are available, up to 99.999% N_2 purity
- Annual filter maintenance kit
- Complete air compressor package
- Booster lube/O-ring kit
- High purity O_2 Analyzer
- DOT K-type cylinders available
- Alternate size cylinder straps (for securing smaller cylinders for filling)
- Start-up and commissioning available. When included with initial purchase, warranty is extended an additional (12) months from date of shipment

Technology as dependable as the men and women using it.