

N₂GEN HPCF-SFI/SXC



The HPCF-SFI/SXC Series employs Pressure Swing Adsorption (PSA) filtration technology to provide high-quality, dry nitrogen. This compact skid includes an integrated air compressor, a low-pressure tank, an electric booster, and a cylinder fill stand, offering convenient N₂ storage alongside the nitrogen generator.

DESIGNED FOR:

- High-pressure, gas vehicle suspensions
- M777 recoil systems
- Vehicle and aircraft tires and struts
- Backpack systems (NBK and similar)
- Refill fire suppression cylinders
- Cylinder fill for backup N₂ supplies
- Any other high- or low-pressure use

KEY FEATURES:

- Capable of filling cylinders ranging from 2200 psig to 4500 psig
- Equipped with a built-in, user-friendly PLC featuring a 3.5" color touchscreen
- Automatic shutdown upon completion of cylinder fill
- Manual start/stop functionality
- Includes an attached fill stand with high-pressure leads and chains for secure cylinder placement
- Integrated electric N₂ booster
- Comes with an integrated compressed dry air package, eliminating the need for an external compressed air source (SFI)
- Operates on a single 208-230V, 1-phase power supply (SFI models - range from 22-32 amps)



OPTIONS:

- Custom purity (up to 99.999%) and/or alternate cylinder fill rates
- Annual filter maintenance kit
- Complete air compressor package - SXC only (Continuous supply of clean, dry compressed air is required at 208-230v or 460v. Existing supply of compressed air may be used)
- 1K, 2K, and 5K hour PM kits available
- DOT K-type cylinder
- Start-up/commissioning and training

Specifications	HPCF-SFI-0004	HPCF-SFI-0110	HPCF-SFI-0130	HPCF-SXC-0130
Standard N ₂ purity	99-99.9%	99-99.9%	99-99.9%	99-99.9%
Outlet pressure	2200 - 4500 psig			
Cylinder fill rate/24 hours ¹	3	6	6	6
HP filling leads included on skid	1 - 6 (CGA 580 or CGA 680)			
Electrical requirements	208 - 230 VAC / 1 Ph / 60 hz			
Compressed air volume required ²	No external compressed air required			8.7 SCFM
Part number	800347	800345	800343	800415
Dimensions	72" L x 34" W x 60.25" H			
Skid Weight	850 lbs	950 lbs	1200 lbs	1100 lbs
Warranty				

1. Standard N₂ 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 90 psig inlet pressure to N₂ skid required for SXC model.