

# N2-GEN<sup>®</sup> - HPC

## Stationary High Pressure Nitrogen Cylinder Filling

Introducing the N2-GEN<sup>®</sup> HPC - *Stationary High Pressure Cylinder Fill Station*. Designed & Manufactured by South-Tek Systems, the leader in Nitrogen Generation Technology.

### How it works

The N2-GEN<sup>®</sup> HPC is a skid-mount Nitrogen Generation System that provides an infinite supply of 95-99.999% pure Nitrogen on demand. Generate Nitrogen on site for filling High Pressure (HP) Cylinders. It's the safe, convenient and cost-effective alternative to *rental, delivery, and exchange* of High Pressure Nitrogen Cylinders.



### N2-GEN<sup>®</sup> HPC

- N2-GEN<sup>®</sup> HPC-1 fills (1) K cylinder in 24 hours
- N2-GEN<sup>®</sup> HPC-2 fills (2) K cylinders in 24 hours
- N2-GEN<sup>®</sup> HPC-4 fills (4) K cylinders in 24 hours
- N2-GEN<sup>®</sup> HPC-6 fills (6) K cylinders in 24 hours
- PSA Technology provides 95-99.999% Nitrogen Gas Purity
- Integrated Pressure Sensors
- Built in, user friendly 3.5" color touchscreen
- Easily connected to external source of compressed air  
Optional Feed Air Compressor package available
- Optional Oxygen Analyzer

Cylinders Filled in 24 hours @ 99.9% N<sub>2</sub>

Series	K	S	LD	Q
N2-GEN <sup>®</sup> HPCF-K01	1	1.75	2	2.75
N2-GEN <sup>®</sup> HPCF-K02	2	3.25	4	5.50
N2-GEN <sup>®</sup> HPCF-K04	4	6.50	8	11.00
N2-GEN <sup>®</sup> HPCF-K06	6	9.75	12	16.50

### Cylinder Types

Cubic Feet (cuft) Nitrogen @ 2,200 PSI

K	S	LD	Q
244 cuft	150 cuft	125 cuft	90 cuft

### Generate Nitrogen On Demand

- Cost-effective, continuous N<sub>2</sub> supply for cylinder filling
- Avoid HP Cylinder delivery, rental & refill fees
- No more running out of gas or waiting for deliveries
- Simple installation and uses minimal space
- Safe, easy and inexpensive to maintain
- Eliminate gas contracts
- Systems operating over 20 years
- Systems average 12 to 14 month ROI
- Reduce your Nitrogen costs by up to 90%



*South-Tek Systems, the Leading Designer and Manufacturer of Nitrogen Generation Technology*

**N2-GEN<sup>®</sup> - Nitrogen Generator / We ARE Nitrogen.**

# N2-GEN® - HPC Specifications

	N2-GEN® HPC-1	N2-GEN® HPC-2	N2-GEN® HPC-4	N2-GEN® HPC-6
Fill Rate	(1) K Cylinder from 0-2200 PSIG per 24 hours	(2) K Cylinders from 0-2200 PSIG per 24 hours	(4) K Cylinders from 0-2200 PSIG per 24 hours	(6) K Cylinders from 0-2200 PSIG per 24 hours
Output Purity	99.9% Nitrogen Gas	99.9% Nitrogen Gas	99.9% Nitrogen Gas	99.9% Nitrogen Gas
Electrical	110VAC / 60Hz / 1Ph	110VAC / 60Hz / 1Ph	110VAC / 60Hz / 1Ph	110VAC / 60Hz / 1Ph
Approx. Skid Dimensions	60"H x 48"W x 32"D	60"H x 48"W x 32"D	60"H x 60"W x 32"D	60"H x 72"W x 32"D
Air Consumption	13 SCFM	17 SCFM	43 SCFM	44 SCFM
Air Compressor Option* Required Output	16.6 SCFM @ 150 PSI	21.2 SCFM @ 150 PSI	52.3 SCFM @ 125 PSI	52.3 SCFM @ 125 PSI
Air Compressor Option* Electrical	208-230-460VAC / 60Hz / 1Ph or 3Ph	208-230-460VAC / 60Hz / 1Ph or 3Ph	208-230-460VAC / 60Hz / 3Ph	208-230-460VAC / 60Hz / 3Ph
Air Compressor Option* Dimensions	56"L x 23"W x 50"H	56"L x 23"W x 50"H	60"L x 23"W x 52"H	60"L x 23"W x 52"H
HPC Maintenance	Annual (Filter Kits)	Annual (Filter Kits)	Annual (Filter Kits)	Annual (Filter Kits)
Warranty	2 Years <sup>1</sup>	2 Years <sup>1</sup>	2 Years <sup>1</sup>	2 Years <sup>1</sup>

<sup>1</sup>Per South-Tek Systems Terms & Conditions.

\*External air compressor required. Optional compressor packages available. Contact South-Tek Systems

## N2-GEN® HPC General Layout

ITEM #	DESCRIPTION	QTY.
1	CYLINDER FILL SKID ASSEMBLY	1
2	REFRIGERATED AIR DRYER	1
3	AIR COMPRESSOR	1
4	N2 GENERATOR	1
5	N2 STORAGE TANK	1
6	K CYLINDER*	2
7	NITROGEN AMPLIFIER	1

\*UNITS ARE AVAILABLE WITH ONE (1), TWO (2), FOUR (4), AND SIX (6) K CYLINDER HOOKUPS. K CYLINDERS ARE NOT INCLUDED WITH THE STANDARD PACKAGE.  
AIR COMPRESSOR IS NOT INCLUDED.

Complete HPC layout with air compressor package

Front View

Side View

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