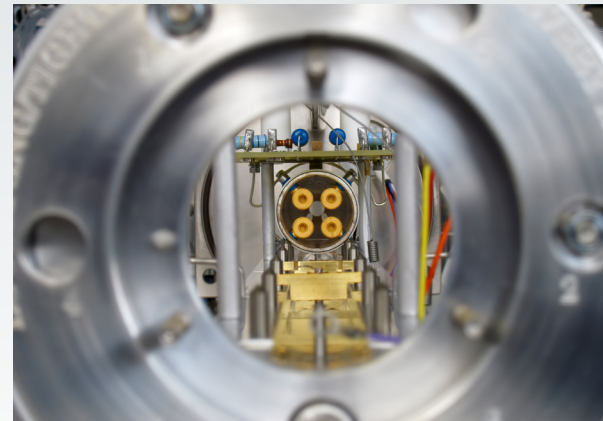




LABTEK™



CPI & CPx Line OF NITROGEN GENERATORS



- Generate nitrogen on demand
- Designed for continuous use
- Dual-bed, PSA technology delivers up to 99.999% pure nitrogen (flow rate dependent)
- Exceptionally quiet
- Touchscreen control displays status and maintenance alerts; remote monitoring capabilities
- UL 508A ICP listed

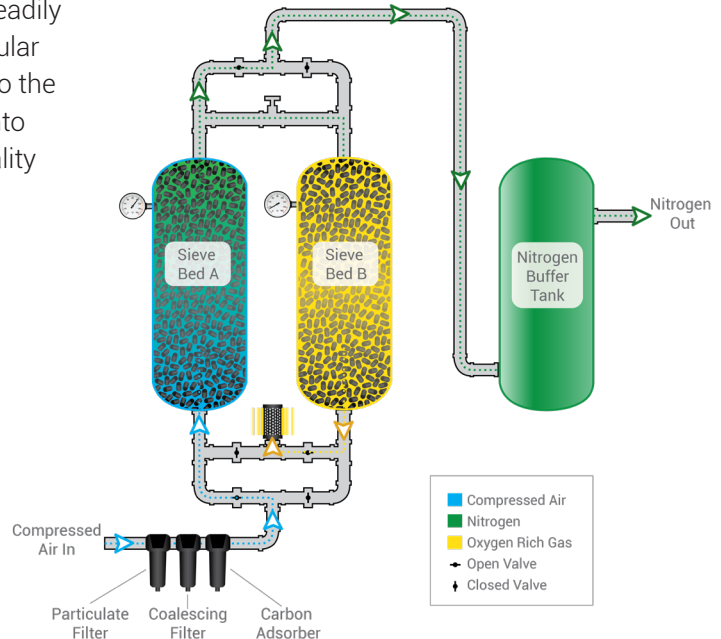


The **LABTEK CPi & CPx** Line produce high-purity nitrogen for laboratory applications such as Liquid Chromatography – Mass Spectrometry, Glove Boxes, and Evaporators. Our units use state-of-the-art, dual-bed pressure swing adsorption (PSA) technology to produce high-purity, LCMS grade nitrogen without taking up valuable lab workspace. Additional filtration ensures that your generator and analytical equipment are free from contamination and particulates.

HOW OUR TECHNOLOGY WORKS

LABTEK nitrogen generation technology safely separates the readily available nitrogen from the air we breathe using Carbon Molecular Sieve (CMS). Molecules smaller than nitrogen are adsorbed into the CMS, allowing the larger nitrogen molecules to pass through into a storage tank for later process use. Our generators create quality nitrogen, ready for immediate use by any application.

- 1 Compressed air is filtered, removing oil, water, dirt and other impurities.
- 2 Sieve Bed A acts as a sponge, using carbon molecular sieve to adsorb oxygen.
- 3 Simultaneously, Sieve Bed B is in recovery. After a period of time, the process will switch.
- 4 Specified purity nitrogen is discharged into the nitrogen buffer tank, ensuring a steady downstream supply and uninterrupted N₂ usage.



SPECIFICATIONS

	2CPi-P	2CPx-P	4CPi-P	4CPx-P
Nitrogen Flow Rate	0-13 LPM	0-25 LPM	0-21 LPM	0-47 LPM
Min/Max Inlet Pressure	N/A	100-145 PSIG	N/A	100-145 PSIG
N ₂ Outlet Pressure	0-70 PSIG	0-116 PSIG	0-70 PSIG	0-116 PSIG
Air Compressor	Integrated	External	Integrated	External
Nitrogen Purity	Up to 99.999% Pure N ₂			
Particulates	< 0.01 um			
Suspended Liquids	None			
Electrical Required	120V/60Hz/1 Ph			
Unit Dimensions	13"w x 10"d x 37"h		26"w x 18"d x 64"h	
Maintenance	Annual (Filters)			
Display (HMI):	Fully Integrated PLC, with TouchScreen Interface			

A Safer, Smarter and Cost-Effective Solution

No missed cylinder deliveries | One-year warranty* | Flexible service plans

Request a Quote Today: lab@southteksystems.com | (888) 526-6284

* Per South-Tek Systems terms and conditions.