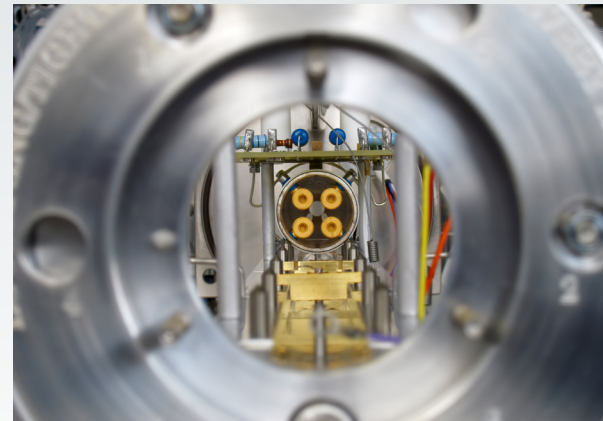




LABTEK™



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



A Safer, Smarter and Cost-Effective Solution

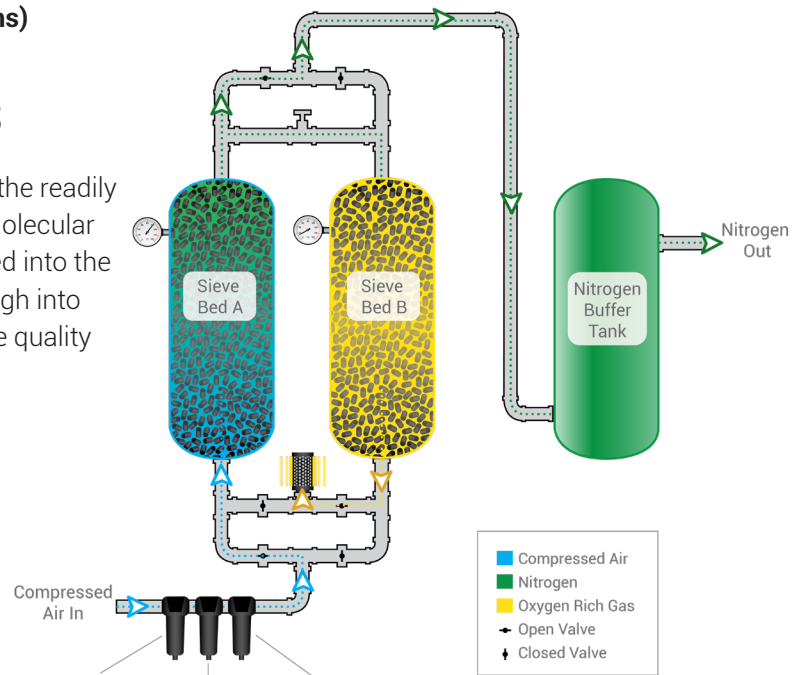
The **LABTEK CPi & CPx** Line produce high-purity nitrogen for laboratory applications such as Liquid Chromatography – Mass Spectrometry, Glove Boxes, and Evaporators. Our units use state-of-the-art, dual-bed pressure swing adsorption (PSA) technology to produce high-purity, LCMS grade nitrogen without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

- **No missed cylinder deliveries**
- **One-year warranty (Per South-Tek terms and conditions)**
- **Flexible service plans**

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/1Ph | | | |
| 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 | | | |

Request a Quote Today:

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