

## High-Purity Models

**Description:** The Airgas® Models Y80-HPN21100, Y80-UHPN21100, Y80-HPN22000, Y80-7697NA and Y80-7698NA Nitrogen Generators have been designed specifically to produce up to 12.0 lpm of ultra-high-purity nitrogen gas. These systems are completely engineered to transform standard compressed air into 99.99% or 99.9999% nitrogen, matching the specifications of UHP cylinder gas.

Nitrogen is produced utilizing a combination of state-of-the-art purification technologies and high-efficiency filtration. Pressure swing absorption is utilized for the removal of O<sub>2</sub>, CO<sub>2</sub>, and water vapor. A catalyst module is incorporated in Models Y80-UHPN21100 and Y80-7698NA to oxidize hydrocarbons from the inlet air supply.

Airgas® Nitrogen Generators are engineered and packaged in a small cabinet to fit on or beneath any benchtop. The Airgas® Model Y80-7692NA and Y80-7694NA are ideal for carrier gas applications. The Airgas® Models Y80-7697NA and Y80-7698NA are ideal for purging ICP's.

Nitrogen

GENERATORS



### Design Features

**Compact Design**

freed up valuable laboratory floor space.

**Use for Variety of Disciplines**

Gas Chromatography, LC/MS, ICP and thermal analysis.

**Eliminates Inconvenience**

no need for nitrogen cylinders or dewars in the laboratory.

**High Efficiency Coalescing Prefilters**

0.01 micron (absolute) membrane filter incorporated into each design.

**Long Term Cost Stability**

price increases, contract negotiations, long term commitments or tank rental no longer a concern.

### Specifications

<b>Inlet Pressure Range</b>	60–120 psig
<b>Outlet Pressure Range</b>	35–85 psig
<b>Flow Capacity</b>	0–1,100; 0–2,000; 0–12,000
<b>Power Requirement</b>	110VAc
<b>Dimensions (WxHxD)</b>	UHPN21100, HPN22000: 12" W x 16" D x 35" 7697, 7698: 25" W x 25" D x 41" H
<b>Weight</b>	UHPN21100, HPN22000: 115 lbs 7697, 7698: 500 lbs

### Ordering Information

Product Number	Flow Rate (cc/min.)	Max Inlet Pressure (psig)	Max Outlet Pressure (psig)	Purity
Y80-HPN21100	1,100	125	85	99.9999%
Y80-HPN21100	1,000	110	75	99.9999%
Y80-HPN21100	900	100	65	99.9999%
Y80-HPN21100	800	90	60	99.9999%
Y80-HPN21100	700	80	50	99.9999%
Y80-HPN21100	600	70	45	99.9999%
Y80-HPN21100	500	60	35	99.9999%
Y80-UHPN21100	1,100	125	85	99.9999%
Y80-UHPN21100	1,000	110	75	99.9999%
Y80-UHPN21100	900	100	65	99.9999%
Y80-UHPN21100	800	90	60	99.9999%
Y80-UHPN21100	700	80	50	99.9999%
Y80-UHPN21100	600	70	45	99.9999%
Y80-UHPN21100	500	60	35	99.9999%
Y80-HPN22000	2,000	75–120	90	99.9999%
Y80-7697NA	12,000	60–120	75	99.9999%
Y80-7698NA	12,000	60–120	83	99.9999%

### Available Options

Product Number	Description
Y80-438027	Prefilters