

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 O₂, CO₂, 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

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