



NM Plus Hydrogen Generator



Description

The VICI DBS "NM" (No Maintenance) Hydrogen Gas Generator utilizes best-in-world technology to generate hydrogen. All "NM" Hydrogen Generator Models incorporate a state-of-the-art cold automatic dryer system to remove residual oxygen and moisture from the hydrogen gas produced and the system automatically regenerates the dryer to eliminate the need for maintenance. This technology utilizes pure deionized or distilled water and does not require the use of caustic solutions to support the electrolytic dissociation process; this completely eliminates the need for desiccant or silica-gel cartridges as a final purification step and eliminates palladium membranes. The output of hydrogen is based upon instrument demand. A user-friendly touch-screen digital display provides system operating status and diagnostic capabilities. The VICI DBS "NM" Hydrogen Generator produces a reliable continuous output of 99.99996% pure hydrogen ideal for GC carrier and FID gases.

Product Features

- Innovative cold automatic dryer system completely removes both moisture plus oxygen and eliminates the need to monitor, change and purchase desiccant cartridges
- Small 9" wide x 14.5" deep footprint conserves valuable lab bench space
- 100% Titanium electrochemical cell construction
- Delivery pressure to 160 psig (user selected) suitable for fast and high-speed GC methods
- Provides continuous LCD indication and monitoring of delivery pressure, hydrogen flow and water quality
- Uses Deionized or Distilled water for operation (No caustic solutions required)
- LCD based display and membrane control pad provide simplified operation
- Universal power (voltage) supply compatibility
- Multiple alarms alert user to low water level, poor water quality, low pressure (leak) and power supply conditions
- CE and CSA certified with 2-year complete system warranty

Specifications

Hydrogen purity:	99.99996%
Electrolysis cell:	Solid Polymer / Proton Exchange Membrane (PEM), Titanium Construction
Auto drying system:	No maintenance system (exclusive design)
Delivery pressure:	1 – 160 psig / 0.1 – 11 barg
Outlet Fitting:	1/8" Compression
Safety:	Auto shut-off / low internal volume of H ₂ (< 50 ml) / earthquake shock sensors
User interface:	Set points, system status, user parameter / touch screen / LCD graphic display
Water:	Deionized or distilled < 10 uS conductivity
Dimensions:	9" x 17.7" x 14.5" (W x H x D) 230mm x 450mm x 370mm
Weight:	46 lbs / 21 Kg



NM Plus Hydrogen Generator *(continued)*

Ordering Information

Model No.	Description	Capacity
NM Plus Series		
SEQNMPLUS250	NM Plus Hydrogen Generator	250 ccm
SEQNMPLUS500	NM Plus Hydrogen Generator	500 ccm

Spare Parts

Model No.	Description
SEQDIBAG	DI-BAG Deionizer Bag for Hydrogen Generator
SEQHOL0129XX	Deionizer Bag Holder for Hydrogen Generator
SEQHSE0059XX	Drain Hose for Hydrogen Generator