



252 HK Plus Hydrogen Generator



Description

The VICI DBS "HK" Series Hydrogen Gas Generator utilizes best-in-world technology to generate hydrogen. All "HK" Hydrogen Generator Models incorporate a unique permeable membrane system to remove moisture from the hydrogen gas produced and the system automatically regenerates the membrane. 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 touch-screen digital display provides system operating status and diagnostic capabilities. The VICI DBS "HK" Hydrogen Generator produces a reliable continuous output of 99.999% pure hydrogen ideal for FID, FPD and NPD fuel gases and as a reactor gas for hydrogenations.

Product Features

- Permeable regenerative membrane removes moisture, eliminating the need to change and purchase desiccant cartridges
- Small 9" wide x 13.9" deep footprint conserves valuable lab bench space
- 100% Titanium electrochemical cell construction
- Delivery pressure is user controlled to 100 psig, suitable for GC fuel gases
- 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:	99.999%
Electrolysis cell:	Solid Polymer / Proton Exchange Membrane (PEM), Titanium Construction Permeable membrane drying system
Delivery pressure:	up to 100 psig / 6.89 barg
Outlet Fitting:	1/8" Compression
Safety:	Auto shut-off / low internal volume of H2 (< 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 16.9" x 13.9" (W x H X D) 230mm x 430mm x 353mm
Weight:	37.5 lbs / 17 kg



HK Plus Hydrogen Generator *(continued)*

Ordering Information

Model No.	Description	Capacity
HK Plus Series		
SEQHKPLUS100	HK Plus Hydrogen Generator	100 ccm
SEQHKPLUS250	HK Plus Hydrogen Generator	250 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