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Find the *Perkin Elmer PG-H2 160* at our website: ***Click HERE***

New! PG-H_2 Series: Pure Gas Hydrogen Generators

Four Models Available, up to 500 ml/min Flow Rate



Description

The PG-H_2 Series Pure Gas Hydrogen Generators from DBS employ the newest membrane technology available for electrolytic production of pure hydrogen gas. The patented DBS PG-H_2 series of Pure Gas Hydrogen Generators is ideal for operation with gas analyzers, as fuel gas for flame tools, or as a source of pure hydrogen in plasma chambers and other isolated environments.

Electrolytic membrane technology is preferred over alternative hydrogen generating techniques because it is clean, requires less maintenance and there is no need to store chemicals to maintain operation. Only pure water, either distilled or deionized, is required to provide trouble free long term operation.

Compare the PG-H_2 series to any comparable product that uses caustic solutions to generate hydrogen and you will see the benefits of specifying electrolytic membrane hydrogen production. Impurities in caustic solutions can affect the purity of hydrogen product and they can cause premature system degradation over time. Membrane separation is also less time consuming, because routine maintenance means "just add water". There is no need to store caustic compounds/solutions or to perform time consuming cell cleanup procedures.

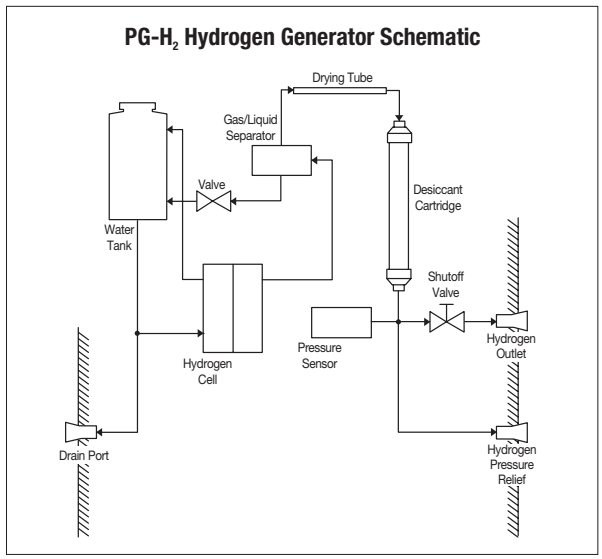
Key Features and Benefits

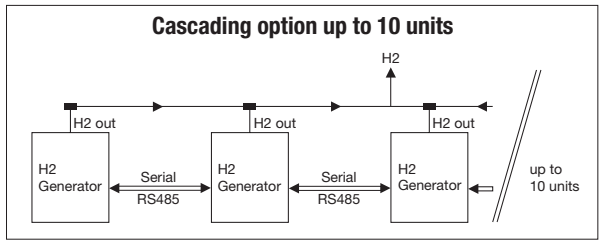
- LCD display shows set points, operating conditions and status
- Continuous or intermittent operation
- Visual operating status lights
- Alarm conditions
- Flow indication. Informs the operator at a glance that hydrogen gas is flowing at the specified rate
- Bi-directional RS232 interface
- Selectable auto start
- Remote control (optional)
- Cascading of 2 or more units (optional)
- PC-control capability

PerkinElmer®
precisely.

Safety and security features

The PG-H_2 series is safe for operation in spaces where cylinder hydrogen is restricted. An auto shut-off procedure places the unit in standby in the event of an internal error, and selectable alarms allow the user to be informed whenever operating conditions vary from the set point.





Technical specifications

Electrolysis cell:	Membrane type
User interface:	Set points, System status User parameter
H_2 purity:	>99.999%
Safety features:	Auto shut-off
Delivery pressure:	100 psig (max.)/7 barg (max.)
Outputs:	RS485, Bi-directional
Options:	Relay contact interface RS485 for cascading up to 10 units in parallel. Remote control.
Display:	4-line LCD / 34 characters set points, status, alarm
RS232C Interface:	Included
Certifications:	CE and CSA

Physical specifications:

Water:	Deionized or distilled			
Width:	9 in. / 220 mm	Net Weight:	35 lb. / 16 kg	(PG-H500: 37.5 lb/17kg)
Height:	16 in. / 395 mm	Shipping Weight:	53 lb. / 24 kg	(PG-H500: 55 lb/25kg)
Depth:	13 in. / 330 mm			
Mains:	120 V, 50/60 Hz			
	240 V, 50/60 Hz			

Part numbers

		H2 flow rate/capacity
N9306058	Hydrogen Generator PG-H100	0 to 100 ml/min
N9306059	Hydrogen Generator PG-H160	0 to 160 ml/min
N9306060	Hydrogen Generator PG-H250	0 to 250 ml/min
N9306061	Hydrogen Generator PG-H500	0 to 500 ml/min
N9306064	Kit-PG-H_2 Desiccant Cartridge, Fitting and Refill	
N9306065	Desiccant PG-H_2 Refill (Package of 3)	
N9306066	Bag-PG-H_2 Deionizer	

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For a complete listing of our global offices, visit www.perkinelmer.com/lasoffices

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