



Laboratory Gas Generators

TECHNICAL DATA SHEET

'Hydrogen+' - Intelligent Gas Generators

- Features**
- Range of Flow-rates
 - Compact and Quiet design
 - Stable Purity 99.999%
 - Low Power Consumption
 - 5 or 10 bar g models
 - Multi-voltage as standard
 - Tilt Protection
 - Over Temperature Protection
 - Over Pressure Protection
 - Pressure Control
 - H2 leak detection
 - System Check

- Applications**
- Gas Quality Monitoring
 - General laboratory
 - Gas Chromatography
 - TOC

- Options**
- H-Type - 5 bar g
 - U-type - 10 bar g

- Consumables**
- Desiccant Drying Cartridge

'HYDROGEN+', is the latest range of Laboratory Hydrogen Gas Generators from Noblegen Products.

Utilising the reliable electrolytic membrane technique of producing hydrogen gas from water is used to produce high quality Hydrogen Gas at various flows and purities (see performance data sheets).



model H300/600/1000 shown

- New features include:-**
- Pressure display (bar)
 - Flow display (ml/min)
 - Hours run
 - Over temperature protection
 - Over pressure protection
 - Tilt protection
 - Hydrogen leak detection and system check

Overview:-

The Hydrogen+ series are cost effective solutions for delivering hydrogen gas with safety built into every component. The cylinder free system eliminates the expensive gas infrastructure and storage / safety concerns, and requires only de-ionized water to produce a constant supply of high quality hydrogen gas. The Hydrogen+ series are the preferred choice of laboratories requiring on-site hydrogen generation with quality, reliability and safety. Hydrogen+ series feature low power consumption, rapid start-up and high quality gas (99.999%).

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Noblegen is a Wirac Automation Product



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SPECIFICATIONS					
Model	H2 Flow (cc/min)	H2 Pressure (bar g)	Water Consumption (cc/min)	Power Consumption (Watts)	Weight (Kg)
H100-H	100	5.0	0.12	70	11.7
H300-H	300	5.0	0.33	180	17.0
H300-U	300	10.0	0.33	180	17.0
H600-H	600	5.0	0.50	290	17.5
H600-U	600	10.0	0.50	290	17.5
H1000-H	1,000	5.0	1.0	390	18.5
H1000-U	1,000	10.0	1.0	390	18.5

Ambient Temp Range	5-50 °C (41-122 °F)
Operating Voltage	AC 100-240
Purity	Dew-point: -66°C
	Oxygen: <5 ppm
Water Purity Requirement	De-ionized 1M Ω/cm
Outlet Connection	1/8" compression fitting
Drain Connection	1/8" compression fitting
Water Tank Capacity	4.6 Litres

Dimensions & Weights				
Model Type	Height mm	Width mm	Depth mm	Weight Kg
H100	300	150	450	11.7
H300	410	250	500	17.0
H600	410	250	500	17.5
H1000	410	250	500	18.5
Pressure Safety ✓ Tilt Protection ✓ System Check ✓ Leak Detection ✓				



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