



Laboratory Gas Generators

TECHNICAL DATA SHEET

'Hydrogen+' - Intelligent Gas Generators

Features

- Range of Flow-rates
- Touch Screen Control
- Compact and Quiet design
- Stable Purity 99.999%
- Low Power Consumption
- 15 bar g Outlet Pressure
- Multi-voltage as standard
- Automatic Water Pump
- Over Temperature Protection
- Over Pressure Protection
- Pressure Control
- H2 leak detection
- System Check

Applications

- Power Plant Generator Cooling
- Fuel Cell Test Stations
- Regenerative Energy Storage
- Material Heat Treatment
- Laboratory Ring Main Supply

Communications

- Ethernet

Consumables

- Desiccant Drying Cartridge

'HYDROGEN+', is the latest range of Industrial High Flow 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 HGM600 shown

New features include:-

- Touch screen control**
- Pressure and flow control**
- Remote Monitoring**
- 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 high flow-rates of 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 large laboratory supplies and industrial applications 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%).

NOBLEGEN PRODUCTS

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Noblegen is a Wirac Automation Product



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SPECIFICATIONS					
Model	H2 Flow (l/hr)	H2 Pressure (bar g)	Water Consumption (l/hr)	Power Consumption (Watts)	Weight (Kg)
HGM600	600	15.0	0.6	3500	250
HGM1000	1000	15.0	1.0	5500	250

Ambient Temp Range	5-50 °C (41-122 °F)
Operating Voltage	AC 240v or DC 24v (20A)
Purity	Dew-point: -66°C
	Oxygen: <5 ppm
Water Purity Requirement	De-ionized 1M Ω/cm
Outlet Connection	1/4" compression fitting
Drain Connection	1/4" compression fitting
Water Tank Capacity	Automatic Water Pump
Communications	Ethernet
Power for Electrolyser	AC 3ph (4-wire) 187-250v or AC 3ph (5-wire) 323-437v

Dimensions & Weights				
Model Type	Height mm	Width mm	Depth mm	Weight Kg
HGM600	1600	758	730	250
H300	1600	758	730	250
Pressure Safety ✓ Tilt Protection ✓ System Check ✓ Leak Detection ✓				



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