HYDROGEN GENERATORS

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HYDROGEN GENERATORS

Hydrogen Generators generally works on the principle of the electrolysis process, performed in a cell of a hydrogen generator. The cell includes cathodic and anodic catalysts which are separated by Proton Exchange Membrane (PEM). Hydrogen ions attract toward the cathodic catalyst while oxygen ions attract toward the anodic catalyst by splitting the water molecule. The atom isolation process allows the gas generators to produce pure, high-quality hydrogen instantly. For superior purity purposes, a platinum catalyst is used as it can produce hydrogen with a purity as high as 99.9995%. Used in Gas quality monitoring, General laboratory, Gas chromatography, TOC, Industries, Environmental, Petrochemical, Pharmaceutical, Cinical, Forensics..
Also known as Laboratory Hydrogen Generator.

LTGAS10-1 AUTOMATIC HYDROGEN GENERATOR

Automatic control, constant pressure, constant flow
Membrane separation technique, deoxidation and dehydration device, high purity
Easy operation, eliminate the need for expensive gas cylinder
Safe and reliable

SPECIFICATIONS

Model	LTGAS10-1
Environmental Temperature	0-45°C
Flow Rate	0-1000 ml / min
Output Pressure	0-0.4 Mpa
Pressure Stability	<0.001 Mpa
Dimension	460x370x360mm
Net Weight	20 kg
Consumption Power	400 W
Power Supply	220 V±10%, 50V

LTGAS9 AUTOMATIC HYDROGEN AND ZERO AIR GENERATOR

Stainless steel air tank inside
Deoxidization device
Output gas purity is higher
Inside machine use silicon rubber ring (lower content sulfur)
Increased gas output quality
Compact design, easy using, automatically operation, safety

SPECIFICATIONS

Model	LTGAS9-1	LTGAS9-2
Hydrogen Flow Rate	0-300 ml / min	0-500 ml/min
Air Flow Rate	0-2000 ml / min	0-2000 ml/min
Air pressure	0.4 MPa	-
Pressure Stability	<0.003 Mpa	-
Dimension	470x260x380 mm	
Net Weight	28 Kg	28 kg
Consumption Power	300 W	400 W
Hydrogen Pressure	-	0.4 Mpa

LTGAS9-1

LTGAS9-2

LTGAS10-2 AUTOMATIC HYDROGEN GENERATOR

Automatic control, constant pressure, constant flow
Membrane separation technique
Compact, frees up valuable space
Easy operation, eliminate the need for expensive gas cylinder
Safe and reliable

SPECIFICATIONS

Model	LTGAS10-2
Hydrogen purity	99.999%
Output Pressure	0-0.3 MPa
Pressure Stability	< 0.001MPa
Dimension	200x140x290 mm
Net Weight	6 kg
Consumption Power	100 W
Power Supply	220V±10%, 50Hz

LTGAS10 AUTOMATIC HYDROGEN GENERATOR

Automatic control, constant pressure, constant flow
Membrane separation technique
Deoxidation and dehydration device, high purity
Compact, frees up valuable space
Easy operation, eliminate the need for expensive gas cylinder
Safe and reliable

SPECIFICATIONS

Model	LTGAS10-3	LTGAS10-4
Hydrogen purity	-	99.999%
Flow Rate	-	0-500 ml / min
Output Pressure	-	0-0.6 Mpa
Pressure Stability	-	<0.001 Mpa
Dimension	-	370x330x180 mm
Net Weight	-	10 kg
Consumption Power	-	250 W
Power Supply	-	220 V±10%, 50 Hz

LTGAS10-3

LTGAS10-4

LTGAS10 AUTOMATIC HYDROGEN GENERATOR

SPE (Solid Polymer Electrolytes) technique, without lye
Automatic control, pressure controller, water shortage detector
Deoxidation and Dehydration device, high purity
Easy operation and maintenance, long lifetime
Compact design, Safe and reliable
CE approved

SPECIFICATIONS

Model	LTGAS10-5	LTGAS10-6
Hydrogen purity	99.999%	
Flow Rate	0-300 ml / min	-
Output Pressure	0-0.4 Mpa	
Pressure Stability	<0.001 Mpa	<0.003 Mpa
Dimension	400x360x220 mm	460x360x350 mm
Net Weight	14 kg	20 kg
Consumption Power	150 W	
Power Supply	220 V±10%, 50 Hz	


LTGAS10-5


LTGAS10-6

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