

SEPARATED GAS SYSTEMS SERIES

On-site Hydrogen Generation System

Elettronica Todescato Systems builds the most reliable hydrogen generators. We were the very first company in Europe to develop engineering and manufacture hydrogen generators systems since 1961, giving to customers the very best choice in the market.

SEPARATED GAS GENERATORS Advantages

Purity of Gas

Very high purity of gas (99.95%) up to (99.999%).

The purity of our gas will keep the consumables such as the dryer salts, a longer life.

Reliability

Durable materials and high quality choice of components gives our units a demonstrated life span of 25+ years.

Easy Installation

Our hydrogen generators are easy shipping worldwide and with simple installation.

Fully Tested

Each unit is thoroughly factory tested to meet Elettronica Todescato exacting standards and exceed industry codes.

On Demand Gas Delivery

With our specific consultation and equipments, the customer can distribute the gas in all the departments where the hydrogen is required without any problem.

Safe, Unattended Operation

- Fully automatic operation with on-board diagnostics
- Minimal on-board gases and no sparking components
- No back flames systems ensure the safety
- No more bottle gases

No CO₂ emissions

Burning hydrogen and oxygen the waste will be just water vapour instead of toxic fumes.

Economical

According to recent surveys, there is approximately a 50% reduction in costs compared to the use of bottled gas.



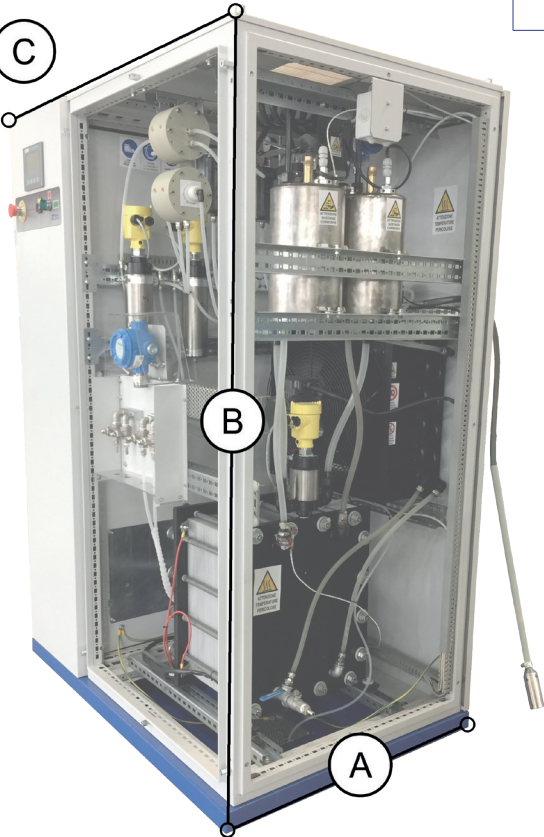
ELETTRONICA TODESCATO SRL SEPARATED GAS SYSTEMS

MODEL		L/1600	L/3200	L/5200	L/6000	L/15000
Hydrogen Gas Production						
Max Flow Rate	SLM	1600	3200	5200	6000	15000
	Nm³/hr	0,994	1,988	3,230	3,727	9,317
	scfh	37,63	75,26	122,28	141,09	352,72
	Kg/day	2,14	4,28	6,97	8,04	20,10
Oxygen Gas Production						
Max Flow Rate	SLM	1600	3200	5200	6000	15000
	Nm³/hr	0,559	0,993	1,615	1,863	4,658
	scfh	21,16	37,59	61,14	70,54	176,35
	Kg/day	19,07	33,89	55,11	63,58	158,97
Water Consumption						
	l/hr	0,8	1,6	2,0	2,4	6,0
Max Power Absorbed						
	kW	5,0	12,0	20,0	26,0	62,0
Power Supply						
	Voltage	Factory Configured, 390-480 VAC, 3 Phase				
	Frequency					
		50 or 60 Hz				
H² Purity		99,9%*				
O² Purity		99,9%**				
		* Subject to ambient and condenser water temperature ** With use of optional O² purifier				

SPECIFICATION

H² Delivery Pressure			
	kg/cm² gauge	from 0,50 to 1,50	
	psig	from 7,25 to 21,76	
O² Delivery Pressure			
	kg/cm² gauge	from 0,50 to 1,00	
	psig	from 7,25 to 14,50	
Feed Water Specification			
Min. Resistivity	MegOhm-cm	0,2	(5,0 mS)
Min. Supply Pressure	kg/cm² gauge	5,00	
	psig	72,50	

CERTIFICATIONS		
		CE certified
		2014/34/UE (ATEX ex 94/9/CE)
		99/92/CE (ATEX)



Approximate Dimensions:

	L/1600	L/3200	L/5200	L/6000	L/15000
A:	93 cm	93 cm	93 cm	93 cm	140 cm
B:	175 cm	175 cm	175 cm	175 cm	175 cm
C:	153 cm	100 cm	120 cm	150 cm	200 cm

Approximate Weight:

L/1600	450 kg
L/3200	500 kg
L/5200	850 kg
L/6000	900 kg
L/15000	1800 kg

System can be installed indoors or outdoors in a protect environment between 5°C and 30 °C
Specifications are subject to change