

Hydrogen generators



Eliminate the high pressure H₂ gas cylinders of the laboratory by generating a continuous source of pure H₂ gas for the following applications:

- GC-FID, NPD, TCD, ELCD, HALL
- GC-Carrier gas
- THA

OPERATING MODE

These generators use the newest membrane technology for the electrolytic production of pure H₂ gas. This technology was preferred over alternative hydrogen generating techniques because it is clean, requires less maintenance and there is no need to store chemicals to maintain operation. Hydrogen is produced by electrolysis of water through a polymer membrane. Only pure water, either distilled or deionised, is required to provide trouble free long term operation.

Safety features:

The small contained volume (< 50 ml) makes the generator 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.

Specyfikacja

RANGE	REFERENCE	FLOW RATE	PURITY	OUTLET PRESSURE
LC SERIES: Hydrogen generator compact line with dessicant cartridge	LC-H2-100	100 ml/min	> 99.9995%	up to 7 bar
	LC-H2-140	140 ml/min		
	LC-H2-180	180 ml/min		
	ND-H2 120	120 ml/min		
ND SERIES: Hydrogen generator with dessicant cartridge	ND-H2-180	180 ml/min	> 99.9995%	up to 10 bar
	ND-H2-260	260 ml/min		
	ND-H2-400	400 ml/min		
	ND-H2 500	500 ml/min		
	PAR-H2 120	120 ml/min		
PAR SERIES: single column dryer including an heater inside, with programmable automatic regeneration via an integrated calendar	PAR-H2-180	180 ml/min	> 99.9999%	up to 12 bar /on request 16 bar
	PAR-H2-260	260 ml/min		
	PAR-H2-400	400 ml/min		
	PAR-H2-500	500 ml/min		
	PAR-H2-650	650 ml/min		



RANGE	REFERENCE	FLOW RATE	PURITY	OUTLET PRESSURE
WM SERIES: double column dryer with automatic regeneration	WM-H2 120	120 ml/min	> 99.99999%	up to 12 bar /on request 16 bar
	WM-H2-180	180 ml/min		
	WM-H2-260	260 ml/min		
	WM-H2-400	400 ml/min		
	WM-H2-500	500 ml/min		
	WM-H2-650	650 ml/min		
	WM-H2-800	800 ml/min		
	WM-H2-900	900 ml/min		
	WM-H2-1000	1000 ml/min		
	WM-H2-1200	1200 ml/min		