

# HyGen

## Hydrogen Generators for Gas Chromatography

to feed Detectors  
FID, NPD, FPD, TCD  
or as Carrier Gas



HyGen 200  
HyGen 400  
HyGen 600

# HyGen 200/400/600

## FEATURES

- **stackable**
- able to supply **Detectors** and as **Carrier Gas** (up to 15 FID or up to 4 GC Carrier S/S + FID)
- **hydrogen delivery pressure of up to 8 bar which allows Brez-a units to be used also for "FAST GC"**
- **equipped with the innovative HT PEM cell, with reliability certified by Proton Energy Systems**
- extreme safety guaranteed also by the innovative controller software, which can be interfaced with the CPU or PCs for remote control, up to 32 units
- extreme ease of filling the removable **water tank**
- accessory to allow replacement of the final filterelement without contaminating the hydrogen outlet line with air
- use balancing for parallel connection, allowing also the supply of high flow rates
- **CPU with Touch Screen Display** connectable with **CAN-BUS** to the generators (up to 32 units), allows the monitoring of operational status and menus with report alarms and functioning parameters. The CPU has also an Ethernet output for the connection to PCs and to Internet through a router
- software available for remote monitoring via internet



## TECHNICAL FEATURES

FLOW RATE	200/400/600 Nml/min
TECHNOLOGIES EMPLOYED	HT PEM electrolytic cell
OUTPUT PRESSURE	2 - 8 bar/30 - 115 psi
PURITY	> 99,9995 %
ELECTRICAL SUPPLY	115/230 VAC (+/- 10%) 50-60 Hz
INDEX OF PROTECTION	IP20
OPERATING TEMPERATURE	5°C - 40°C/40°F - 100°F
ENVIRONMENTAL MOISTURE	80%
MAX ALTITUDE	2000 m asl
DIMENSIONS	height 40 cm + 7 cm (base) /15.8" + 2.8"
	width 38 cm/14.9"
	depth 53 cm/20.8"
WEIGHT	30 kg/67 lbs

## ACCESSORIES

- UHP filtration kit
- Automatic water loading pump
- Installation
- Automatic 2 sources switch kit
- Deionizing bag



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