



## **FLEXI HYCO**



## **COMPACT HP HYDROGEN DELIVERY SYSTEM**

- Compresses hydrogen from a low-pressure line or an optional, integrated electrolyser
- Delivers ultra pure H<sub>2</sub> at a set pressure up to 200 bar (2900

## **ROBUST AND PATENTED DESIGN**

- Stores and releases hydrogen from a metal hydride
- · Operates without moving parts: silently, vibrationless, safely, and without maintenance

## **PLUG & PLAY, EASY AND SAFE**

- Easy manual operation, no time-consuming setup is required
- Avoids the use of high-pressure cylinders in your lab, greatly facilitating operations and increasing
- Safe by design with CE marking

PERFORMANCE	
Outlet pressure range	From 10 to 200 bar (145 to 2900 psi)
Operating gas	Hydrogen or deuterium
Gas Storage Capacity	Up to 90 NI or up to 180* NI
Maximum Outlet Flowrate	Up to 0.8 NI/min or up to 1.6* NI/min
Inlet pressure	10 bar
Gas inlet options	Electrolysers, low pressure gas line, high pressure cylinders stored outside
Electrolyser's technology**	Polymer Electrolyte Membrane (PEM) cell
Maximum electrolyser's output flow**	1.2 to 14.2 NI/min at 12 bar***
Electrolyser's water reservoir volume**	0.3 l to 1.1l***
Electrolyser's gas purity**	6.0 to 7.0***
GENERAL	
Gas connections	1/4 inch swagelock compression fitting
Size (W x D x H****)	483 x 481 x 133 mm 19 x 19 x 5.2 inch
Power supply	(110V, 10A -) 230V, 5A – 50/60Hz

<sup>\*</sup> With the expansion module option



<sup>\*\*</sup> With the hydrogen generator option

<sup>\*\*\*</sup> Depends on the selected model

<sup>\*\*\*\*</sup> The height is given for a single FLEXI HyCo, without Expansion module, Hydrogen generator or Manual pressure regulator. Contact us to know the exact height of your preferred configuration.

## THE FLEXI LINE - YOUR FLEXIBLE ACCESSORIES

Our range of accessories for the characterization of materials under a variety of conditions and across wide application ranges.



**FLEXI HP MS** 



**High Pressure Hydrogen Delivery System** 

**FLEXI HYCO** 











**EXPERIMENT CONDITION CONTROL** 



**FLEXI BALANCE** 







**Wet Gas Generator** 



## **FLEXI HP 1000**



**High Pressure Control System** 





# **Mass Variation Measurement System**





FLEXI accessories have different levels of control and types of interface. This includes:

- Manual control and visual alarms
- Control panels with display screens
- Signals output for data export
- Software control from a PC or a laptop
- Combinations of two or more of the above

# GRAVIMETRIC ANALYSIS

Designed to measure mass loss and uptakes, for solid-gas reactions. Can be coupled to furnaces, climate chambers and other instrumentation.



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Can be coupled to any laboratory instruments or climate chambers for humidity control



## **EGA – EVOLVED GAS ANALYSIS**

Combines with any system, even under pressure, to detect and identify gas evolution



**CORROSIVE AND REACTIVE GASES** Able to run in various aggressive atmospheres



# PRESSURE VACUUM

Operates under pressure and/or measures and controls pressure



### TEMPERATURE

Controls temperature of industrial or laboratory systems



Switzerland – France – China – United States – India – Hong Kong For contact details: www.setaramsolutions.com or setaram@kep-technologies.com