

Plus FID Tower Hydrogen

140W x 490H x 580D (5.5W x 19H x 22.8D)



FID TOWER PLUS

The FID STATION PLUS hydrogen and air generator uses the new and latest technology in polymer membrane (PEM) for the production of pure hydrogen. Ideal for use in gas chromatographic detectors such as: FID / NPD / TCD
Reagent gas for ELCD / HALL.

Its horizontal format allows positioning in over the laboratory bench while it provides you a support for set your GC, optimizing the space you need. Its 17 cm-only-height guarantee the best access to the injectors of any GC in the market. Generator is equipped with an automatic loading of de-ionized water from a smart internal system tanks that give to the customer a 7 litres of water autonomy, it means that with a FID standard flow, the FID STATION PLUS can provide up to 7000 litres of H₂ before the user refills it. Moreover, the practical system of internal de-ionizing cartridge replacement greatly simplifies the only maintenance recommended.

Generator is available in the usual flows of H₂ production up to 600cc/min with a purity of 6.0 or 7.0. It is also available for all models, the Zero Air generator that provides 5lt of Zero Air with a contents of HC around 0.5ppm. It integrates, a filtration system HC-H₂O air into the Hydrogen Generator Rack (oil-free compressor not included). The FID STATION PLUS is the best solution for the GC-FID systems. The system is available in the version:

H₂ Generator

H₂ Generator + Zero Air Generator

in the same core unit and with the same dimensions.

FID TOWER PLUS

UNIQUE FEATURES

- Save lab bench space, place the FID Station Plus UNDER your GC.
(Between GC and Bench)
- Built-in Water tank capacity : 7 lit
- No need of external water tank
- Single Plug connection 220V or 110V for both instrument
- H2 No maintenance thanks to exclusive no-heated dryer
- Easy Change deionizer bag without need to switch off
- In case of service, the "core unit" is easily extractable. Easy service thanks to internal rails and sliders.

OTHER FEATURES

- H2 Generator + Zero Air Generator All-In-One
- Automatic Easy refill
- Cascading available up to 32 units
- PC Remote Software control via USB or RS232
- Remote alarms/management
- Optional H2 sensor

CONTROL

- Full microprocessor control
- LCD touch screen interface or push buttons: real time outlet pressure, water quality, autodiagnosics
- Leak detectors, water level and quality sensors
- Optimized powerful water pump for PEM cell

BENEFITS

SAVINGS

Hydrogen gas generators avoid the need for expensive installation of gas pipelines from the cylinder storerooms to the labs, as well as the need to repeatedly change the bottles. The dual configuration H₂ or H₂ + Air, available in all-in-one instrument, saves space and costs.

IMPROVED CHROMATOGRAPHY RESULTS

Hydrogen as a carrier gas is faster and more sensitive than the more expensive helium. Run time savings of 25% to 35% without a decline in resolution.

EASY AND QUICK USE

No caustic solution used and automatic cold dryer regeneration

Low energy consumption

Remote Software Control via RS232, USB, Intranet, (also for cascading system)

Automatic Stand-By mode controlled Hydrogen sensor (optional) in case of leaks (LEL oven GC)

EASY MAINTENANCE

The only maintenance is facilitated by the deionizer bag access system. The system allow to change the deionizer bag without tools or power off the instrument.

SAFETY

The very limited internal volume (less than 50 ml) allows safe use of the gas generators where the use of cylinders is risky or prohibited. The application of tested safety technologies stops the unit in the event of leaks or malfunctions. An optional hydrogen sensor is available for monitoring the oven-LEL of the GC. The VICI DBS Plus series also includes additional security features like the shock sensor against shocks cause by earthquakes.

LAB PRODUCTIVITY

Continuous operation 24 hours a day allows maximum lab productivity, cutting dead time for gas bottle changeover and maintenance of the drying.

FID STATION PLUS

GC-FID TOWER

MODELS	FT-PG-100 PLUS	FT-PG-160 PLUS	FT-PG-250 PLUS	FT-PG-300 PLUS	FT-PG-500 PLUS	FT-PG-600 PLUS
Flow ml / min.	100	160	250	300	500	600
Weight (kg)	from 25 to 35					
Cascading	YES (Up to 32 units)					
Membrane	polymer electrolyte membrane (PEM)					
Purity	99.9996%					
Outlet pressure	1-160 psig / 0.1-11 barg					
Internal volume	< 50 ml at max pressure					
Display	operating parameters, system status, alarms and touch screen					
LED indicators	power on / off, system ready, errors					
Options	RS232 / RS485 and USB, autorefill, external contacts, PC control, Intranet					
Water quality	Deionized or demineralized (<10uS)					
Water quantity	Internal tank volume up to 5lt					
Power	110-120V 60Hz / 220-240V 50Hz					
Dimensions (mm)	140W x 490H x 580D					
Connections	1 / 8 swagelock					
Certification	CE, CSA, FCC					

+ ZERO AIR GENERATOR

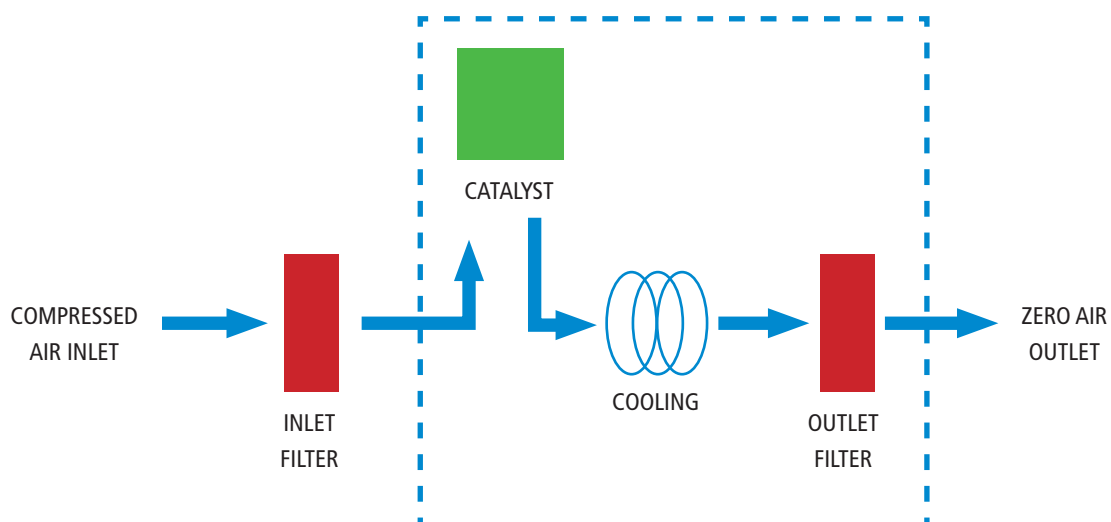
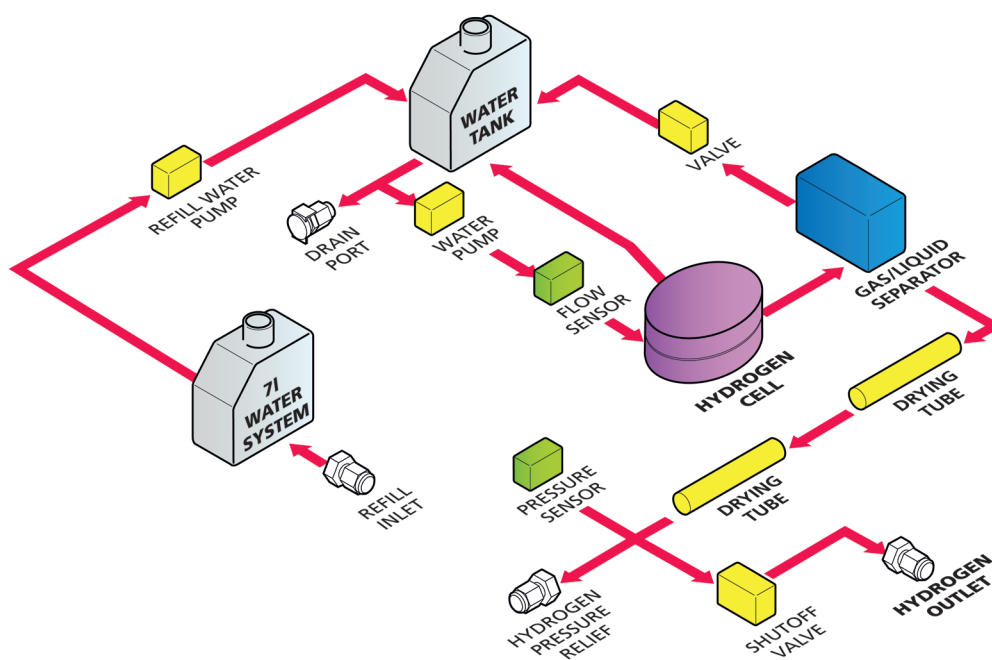
Flow ml/min	1500 ml/min	5000 ml/min
Weight (kg)	2 kg	
HC & CO out	<0.1	
Max CO in	50 ppm	
Max HC in	100 ppm	
Max temp. in	40°C	
Pressure in	4.5-10 bar	
Pressure drop	<1 bar	
Stability (min)	45	
In/out connections	1/4 OD, 1/8 OD	
Power	110-120 60Hz / 220-240 50 Hz	
Working temp.	Amb. +15°C	

FID STATION PLUS**GC-FID TOWER CARRIER**

MODELS	FT-NM 100 PLUS	FT-NM 160 PLUS	FT-NM 250 PLUS	FT-NM 300 PLUS	FT-NM 500 PLUS	FT-NM 600 PLUS	FT-NM 1000 PLUS
Flow ml/min	100	160	250	300	500	600	1000
Weight (kg)	from 25 to 35						
Cascading	Yes (up to 32)						
Membrane	Polymer Electrolyte Membrane (PEM)						
Purity	99,99999%						
Dryer	Exclusive cold dual dynamic regeneration system						
Outlet Pressure	1-160 psig/0.1-11 barg						
Internal Volume	<50 ml max pressure						
Display	Operating parameters, system status, alarms and touchscreen						
LED indicators	Power on/off, system ready, errors						
Connection	USB mod A						
Options	RS232/RS485 and USB, external contacts, Pc software						
Water quality	Deionized or demineralized (<2uS)						
Internal water tank system	5 lt Autorefill included						
Power	110-120 60 Hz / 220-240 50 Hz						
Dimensions (mm)	140W x 490H x 580D						
Connections	1/8 Swagelock						
Certifications	CE, CSA, FCC						
Tested weight support Kg	80	80	80				

FID TOWER PLUS

GC-FID TOWER PLUS



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GC-FID TOWER PLUS CARRIER

