



## Fuel gas

Used to support combustion within the detector, the hydrogen-air gas creates an ideal flame for analysis.

Parker provides gas generation solutions for flame support – a mix of hydrogen and zero air – to ensure accurate analyses, consistent results and detector sensitivity thanks to a high intensity flame.



## H

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Using proven PEM cell technology, Parker domnick hunter H range generators produce a continuous supply of high purity hydrogen, for use as fuel gas, on-demand from de-ionized water and electricity. This model works at low pressure and with minimal stored volume, offering you added safety.

- Continuous supply of 99.9995% purity hydrogen
- Precision engineered - simple installation and operation
- Compact design - save space in your laboratory
- Minimal maintenance - maximum uptime and low running costs
- Optimum safety and reliability - innovative intelligent control software and alarms
- Easy to manage - control a number of generators from one central PC

## UHP-ZA

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Parker UHP-ZA produces ultra high-purity zero grade air from an existing compressed air source. Ensuring a lower and more stable baseline signal, it allows for higher sensitivity or larger peak areas so you can enjoy superior limits of detection over and above traditional modes of supply.

- Engineered with state-of-the-art components - enhanced reliability and long term performance
  - Minimal operator attention and maintenance required
  - Silent operation - improved working environment
  - Compact design - save space in your laboratory
  - Low operating costs - economical alternative to cylinders
  - Innovative, stackable system – facilitates the mounting of a Parker domnick hunter hydrogen generator
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## Product Selection

Model	Flow Rate	Purity*	Water Consumption (24/7, full flow)	Delivery Pressure	
	ml/min	%	L/week	bar g	psi g
20H	160	>99.9995	1.25	0.3-6.89	5-100
40H	250	>99.9995	2	0.3-6.89	5-100
60H	500	>99.9995	4	0.3-6.89	5-100

\*With respect to oxygen

## Technical Data

Ambient Temperature Range	5-40°C 41-104°F						
Water Supply Pressure*	0.1 bar g 1.45 psi g						
Water Supply Flow Rate*	1 L/min						
Water Quality	Deionised. ASTM II, >1MQ, <1µs, filtered to <100µm						
Supply Voltage Range	100 - 230V 50/60Hz						
Port Connections Hydrogen	<table border="0"> <tr> <td>Hydrogen Outlet</td> <td>1/8" Compression Fitting</td> </tr> <tr> <td>Water Drain</td> <td>Quick Release Push in Fitting</td> </tr> <tr> <td>Water Fill*</td> <td>Quick Release Push in Fitting</td> </tr> </table>	Hydrogen Outlet	1/8" Compression Fitting	Water Drain	Quick Release Push in Fitting	Water Fill*	Quick Release Push in Fitting
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\*With optional AWF

## Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight		Weight (Full of Water)	
	mm	in	mm	in	mm	in	kg	lb	kg	lb
20H	456	17.9	342	13.5	437	17.2	19	41.9	23	50.7
40H	456	17.9	342	13.5	437	17.2	19	41.9	23	50.7
60H	456	17.9	342	13.5	437	17.2	19	41.9	23	50.7

\*With respect to oxygen

Note: For auto water fill option add suffix AWF ie 20H-AWF

## Preventative Maintenance

Preventative Maintenance Kit	Part Number	Change Frequency
Replacement Desiccant Cartridge	604970412	As required*
6 Month Kit	604970600	6 months
24 Month Kit	604970532	24 months

\*20H Continuous operation approx. 6 to 7 months

\*40H Continuous operation approx. 4 to 5 months

\*60H Continuous operation approx. 2 to 3 months

## Optional Extras

Description	Part Number	Required for
Remote Networking Module	H2-REMOTE-NET-DH 604971530	Allows cascading of two generators
Remote Networking Expansion Module	H2-REMOTE-EXP-DH 6049711540	Required to cascade each additional generator
Remote Monitoring Module	H2-REMOTE-MON-DH-604971532	Allows the remote monitoring of one generator
Installation Kit	IK7532	Suitable for all hydrogen generators
Automatic Water Fill Kit	604979007	Suitable for all hydrogen generators