



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

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

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	Organic Impurity	Air Inlet @ 4 - 10 bar g (58 - 145 psi g)	Delivery Pressure		Integral Compressor
	L/min	ppm	L/min	bar g	psi g	
UHP-10ZA-S	1	<0.1	1.2	4-10	58-145	NO
UHP-35ZA-S	3.5	<0.1	4.2	4-10	58-145	NO
UHP-50ZA-S	5.0	<0.1	6.0	4-10	58-145	NO
UHP-75ZA-S	7.5	<0.1	9.0	4-10	58-145	NO
UHP-150ZA-S	15	<0.1	18	4-10	58-145	NO
UHP-200ZA-S	20	<0.1	24	4-10	58-145	NO
UHP-300ZA-S	30	<0.1	35	4-10	58-145	NO

Note: Add suffix 'E' for 207-253V 50/60Hz ie. UHP-10ZA-S-E
Add suffix 'W' for 103-126V 60Hz ie. UHP - 10ZA-S-W

Technical Data

Ambient Temperature Range	5-40°C 41-104°F
Inlet Air Quality	Clean dry compressed air ISO8573-1:2010 Class 2.2.1
Supply Voltage Range	230V 50/60Hz ± 10% 120V 50/60Hz ± 10%
Port Connections	Outlet (UHP - 10ZA-S & UHP-35ZA-S) 1/8" Compression Fitting Inlet (UHP - 10ZA-S & UHP-35ZA-S) 1/8" Compression Fitting Outlet (UHP - 50ZA-S - UHP-300ZA-S) 1/4" Compression Fitting Inlet (UHP - 50ZA-S - UHP-300ZA-S) 1/4" Compression Fitting

Weights and Dimensions

Model	Height (H)		Width(W)		Depth (D)		Weight	
	mm	in	mm	in	mm	in	kg	lb
UHP-10ZA-S	325	12.8	340	13.4	425	16.7	10.2	22.5
UHP-35ZA-S	455	17.9	340	13.4	425	16.7	14.2	31.3
UHP-50ZA-S	455	17.9	340	13.4	425	16.7	14.2	31.3
UHP-75ZA-S	455	17.9	340	13.4	425	16.7	14.2	31.3
UHP-150ZA-S	455	17.9	340	13.4	425	16.7	15.2	33.5
UHP-200ZA-S	455	17.9	340	13.4	425	16.7	15.2	33.5
UHP-300ZA-S	455	17.9	340	13.4	425	16.7	15.2	33.5

Preventative Maintenance

Preventative Maintenance Kit G6	Part Number	Change Frequency
Inlet Filter PM Kit - all models	005A0	12 months
Outlet Filter PM kit - all models	005AA	12 months

Optional Extras

Description	Part Number	Required for
Installation Kit	IK76803	Suitable for all zero air generators