

# Zero Air Generators

for GC combustion detector applications



The Parker domnick hunter UHP-ZA zero air generators produce a continuous stream of organic impurity free air from an external dry compressed air source and offer superior limits of detection over and above other modes of supply. Flow rates range from 1 L/min to 30 L/min.

The UHP-ZA generators feature an interchangeable top panel facilitating the direct mounting of any Parker domnick hunter hydrogen generator. The stackable system forms an innovative, modular FID gas station suitable for all known GC combustion detectors such as FID, FPD and NPD.

UHP-ZA generators may also be used in many other chemical analysis and life science applications, including LC/MS source gas, zero and combustion gas for total hydrocarbon analysers and as a gas sensing calibration and dilution gas.



## Contact Information:

**Parker Hannifin Ltd.**  
domnick hunter Industrial Division  
Dukesway, Team Valley Trading Estate  
Gateshead, Tyne and Wear  
England NE11 0PZ

**Tel: +44 (0)191 402 9000**  
**Fax: +44 (0)191 482 6296**  
**Email: [gasgen@parker.com](mailto:gasgen@parker.com)**  
**[www.domnickhunter.com](http://www.domnickhunter.com)**

## Product Features:

- **Ultra high purity, organic free, air for GC combustion detectors**
- **Increase resolution and detection limits of analysis**
- **Compact, reliable with minimal operator attention and maintenance**
- **Eliminate inconvenient and potentially dangerous air cylinders**
- **Payback period typically less than 24 months**
- **Models available to supply up to 75 FID's**

## 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	
UHP-10ZA-S	1	<0.1	<0.1	1.2	4-10	58-145	NO
UHP-35ZA-S	3.5	<0.1	<0.1	4.2	4-10	58-145	NO
UHP-50ZA-S	5.0	<0.1	<0.1	6.0	4-10	58-145	NO
UHP-75ZA-S	7.5	<0.1	<0.1	9.0	4-10	58-145	NO
UHP-150ZA-S	15	<0.1	<0.1	18	4-10	58-145	NO
UHP-200ZA-S	20	<0.1	<0.1	24	4-10	58-145	NO
UHP-300ZA-S	30	<0.1	<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 ISO8573-1:2001 Class 3.2.1
Supply Voltage Range	103 - 126V 60Hz 207 - 253V 50/60Hz
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	Part Number	Change Frequency
Inlet Filter PM Kit - all models	005A0	12 Months
Outlet Filter PM Kit - all models	005AA	12 Months
Fan PM Kit, 230V - all models	606272525	24 Months
Fan PM Kit, 120V - all models	606272526	24 Months