

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.

A range of tailored service contracts, extended warranties and global manufacturing capabilities provide comprehensive aftermarket support.



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Features:

- **High performance heated platinum catalyst**
- **OIL-X EVOLUTION filtration technology**
- **Modular and stackable with all Parker domnick hunter hydrogen generators**
- **Digital temperature display**
- **Compact and robust design**
- **Simple installation and operation**
- **Global manufacturing support**

Benefits:

- **Superior resolution and lowered limits of detection**
Organic impurity free
- **Low life-cycle costs**
Typical pay-back period less than 12 months
- **Safe and sustainable**
Eliminates the need to use and handle high pressure cylinders
- **Increased instrument uptime and productivity**
Gas at the push of a button, 24/7, without interruptions
- **Convenient**
Compact, low maintenance design allows easy installation next to instrument
- **Optimum analysis**
Guaranteed gas purity through innovative core technology
- **Reliable**
Field proven design ensures greater reproducibility of results



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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

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		120 / 230V ±10% (60 / 50Hz)
Port Connections	Outlet (UHP-10ZA-S & UHP-35ZA-S) Inlet (UHP-10ZA-S & UHP-35ZA-S) Outlet (UHP-50ZA-S - UHP-300ZA-S) Inlet (UHP-50ZA-S - UHP-300ZA-S)	1/8" Compression Fitting 1/8" Compression Fitting 1/4" Compression Fitting 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

Also available, a range of hydrogen and air (organic impurity free) generators for Life Science, Chemical Analysis and Spectroscopy applications

For information on extended warranty and preventative maintenance contract availability, please contact your local sales office or visit **www.domnickhunter.com**

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