



Zero Air Generators



domnick hunter zero air generators produce a continuous flow of clean, dry air with an ultra low residual methane content of less than 0.1 ppm from an existing compressed air supply. Six models are available with flow rates ranging from 1.0L/minute to 20 L/minute.

An interchangeable top panel allows for direct mounting of a domnick hunter UHP hydrogen

generator, to provide an all-in-one flame gas solution for GC-FID, FPD and NPD applications.

The generators can also be used to supply zero air to many additional applications including nebulizer and exhaust gas for LC/MS applications, zero gas and combustion gas for total hydrocarbon analyzers and calibration / dilution gas for gas sensing equipment.

Features

- High performance catalyst
- OIL-X EVOLUTION pre-and after filtration
- Compact, modular design for easy mounting of a domnick hunter UHP hydrogen generator
- Simple operation
- Digital temperature display
- Minimal maintenance
- CE, UL and CRN approved
- Global manufacturing support

Benefits

- **Gas quality assured**
Catalyst air temperature monitoring and display gives reliable indication of gas purity. High performance OIL-X EVOLUTION filtration effectively removes contamination
- **Improved instrument performance**
Guaranteed consistent purity reduces baseline noise and improves stability
- **Maximised uptime, maximised productivity**
No cylinder changes mean no interruptions to analyses and no instrument re-calibration. Cleaner air reduces frequency of instrument cleaning. Quick and easy servicing: changing the filters once a year takes just a few minutes
- **Economy**
Quick return on investment typically 12 months. No cylinder rental charges and no price inflation
- **Reduced Health and Safety risks**
No manual handling or storage of high pressure gas
- **Peace of mind**
Service contracts and extended warranty available
- **Space saving**
Compact, modular design



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Technical Specifications

domnick hunter zero air generators use a combination of domnick hunter OIL-X EVOLUTION high performance filtration and catalytic technologies to purify an existing compressed air supply.

The compressed air passes first through a high efficiency OIL-X EVOLUTION grade AO filter to ensure removal of oil, water and particulate.

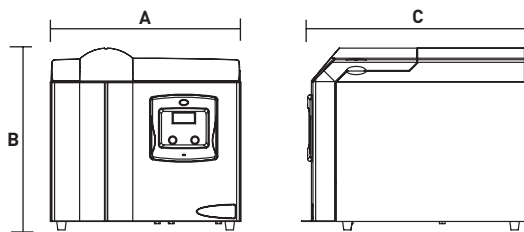
The clean compressed air then enters the catalyst unit where hydrocarbons are oxidized to water

and carbon dioxide. Finally, a high efficiency OIL-X EVOLUTION grade AA 0.01 micron filter downstream of the catalyst unit removes any remaining particulate.

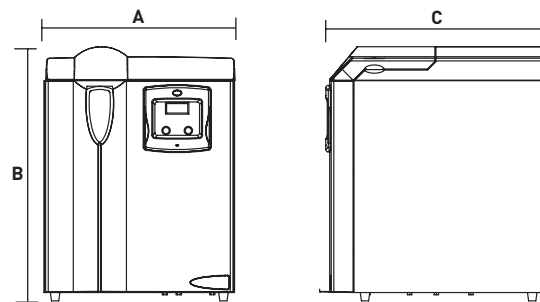
The domnick hunter zero air generator employs air temperature monitoring inside the catalyst unit to reliably maintain the optimum operating temperature and ensure high performance hydrocarbon removal. Inlet design further enhances efficiency by ensuring balanced air flow through the catalyst unit.

Model	Flowrate L/min	Purity/total hydrocarbon content	Connections		Voltage ac	Dimensions mm			Weight kg
			Air inlet	Air outlet		A	B	C	
UHP - 10ZA	1.0	<0.1ppm	1/8" Swagelok	1/8" Swagelok	115/230	342	325	400	10.8
UHP - 35ZA	3.5	<0.1ppm	1/8" Swagelok	1/8" Swagelok	115/230	342	325	400	10.8
UHP - 50ZA	5.0	<0.1ppm	1/4" Swagelok	1/4" Swagelok	115/230	342	455	400	16.1
UHP - 75ZA	7.5	<0.1ppm	1/4" Swagelok	1/4" Swagelok	115/230	342	455	400	16.1
UHP - 150ZA	15.0	<0.1ppm	1/4" Swagelok	1/4" Swagelok	115/230	342	455	400	16.1
UHP - 200ZA	20.0	<0.1ppm	1/4" Swagelok	1/4" Swagelok	115/230	342	455	400	16.1

UHP-10ZA to UHP-35ZA



UHP-50ZA to UHP-200ZA



To ensure optimum performance and longevity of your zero air generator, domnick hunter recommends the following filter changes every 12 months:

Model	UHP - 10ZA	UHP - 35ZA	UHP - 50ZA	UHP - 75ZA	UHP - 150ZA	UHP - 200ZA
Inlet Air Filter Element	50 442 1110	50 442 1110	50 442 1110	50 442 1110	50 442 1110	50 442 1110
Outlet Air Filter Element	50 443 1110	50 443 1110	50 443 1110	50 443 1110	50 443 1110	50 443 1110

For more information on extended warranty and preventative maintenance contract availability please contact your local domnick hunter sales office or log on to www.domnickhunter.com/scientific



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