

# Nitrogen Generators

for Circular Dichroism and ICP purge applications



The Parker domnick hunter CD10 nitrogen gas generator employs robust, field proven technology to meet the complete purge gas requirements of today's latest Circular Dichroism and ICP instrumentation.

The CD10 generator provides a continuous stream of ultra high purity nitrogen suitable for optic, source and plasma torch purge applications, maximising instrument uptime, productivity and enhancing spectroscopic resolution. The CD10 is extremely quiet in operation and fully approved for use by major instrumentation manufacturers.

Innovative design and technology facilitate maximum instrument uptime, attractive return on investment and proven analytical performance, eliminating the need for other modes of supply.

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



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## Features:

- **Phthalate-free componentry**
- **Robust, reliable and proven technology**
- **Continuous automatic operation, 24/7**
- **Noise reduction technology**
- **Compact design**
- **Simple installation and operation**
- **Global manufacturing support**

## Benefits:

- **Proven instrument performance**  
Robust technology, tested and fully approved for use
- **Low life cycle costs, excellent return on investment**  
Payback typically less than 24 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**  
Improved stability and greater reproducibility with guaranteed purity
- **Reliable**  
Field proven Pressure Swing Adsorption (PSA) technology



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## Product Selection

Model	Flow Rate	Purity*	Air Inlet @ 8.5 bar g (123.3 psi g)	Delivery Pressure		Integral Compressor
	L/min		L/min	bar g	psi g	
CD10-0	10	>99.9965	130	7	101.5	NO

\*Purity with respect to oxygen

## Technical Data

Ambient Temperature Range	5 - 40°C 41 - 104°F
Inlet Air Quality	Clean dry compressed air ISO8573-1:2001 Class 2.-.1
Supply Voltage Range	120 / 230V ±10% (60 / 50Hz)
Port Connections	Outlet Inlet
	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
CD10-0	705	27.8	510	20.1	760	29.9	135	298

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](http://www.domnickhunter.com)

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