

TriGas Generators

for Applied Biosystems LC/MS & LC/MS/MS instruments



The Parker domnick hunter AB4000 & AB5000 TriGas generators employ robust, field proven technology to meet the curtain, source and exhaust gas requirements of the Applied Biosystems LC/MS and LC/MS/MS instrumentation portfolio.

The AB4000 & 5000TGS generators provide continuous streams of high purity nitrogen, zero grade nitrogen (free from organic impurities) and clean dry air from a single 'plug & play' unit. Models are available both with and without an integral oil free compressor, are extremely quiet in operation and are 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.



Contact Information:

Parker Hannifin Ltd
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
www.domnickhunter.com

Features:

- **Phthalate-free componentry**
- **Integral oil free compressor option**
- **Continuous automatic operation, 24/7**
- **Noise reduction technology**
- **Compact and robust 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 membrane technology



ENGINEERING YOUR SUCCESS.

Product Selection

Model	Flow Rate			Purity*		
	Curtain Gas (Nitrogen)	Source Gas (Zero Air)	Exhaust Gas (Dry Air)	Curtain Gas (Nitrogen)	Source Gas (Zero Air)	Exhaust Gas (Dry Air)
	L/min	L/min	L/min	%	ppm (organic impurity)	°C (dewpoint)
AB4000TGS-0	5	17	6	>99	<0.1	-40
AB4000TGS-1	5	17	6	>99	<0.1	-40
AB5000TGS-0	10	22	8	>99	<0.1	-40
AB5000TGS-1	10	22	8	>99	<0.1	-40

Model	Air Inlet @ 8.5 bar g (123.3 psi g)	Delivery Pressure						Integral Compressor
		Curtain Gas (Nitrogen)		Source Gas (Zero Air)		Exhaust Gas (Dry Air)		
		L/min	bar g	psi g	bar g	psi g	bar g	
AB4000TGS-0	85	4.1	60	6.9	100	4.1	60	NO
AB4000TGS-1	n/a	4.1	60	6.9	100	4.1	60	YES
AB5000TGS-0	85	4.1	60	6.9	100	4.1	60	NO
AB5000TGS-1	n/a	4.1	60	6.9	100	4.1	60	YES

*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

†Non compressor models only

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight (with compressor)		Weight (without compressor)	
	mm	in	mm	in	mm	in	kg	lb	kg	lb
AB4000TGS	1203	47.4	594	23.4	600	23.6	230	507	190	419
AB5000TGS	1203	47.4	594	23.4	600	23.6	230	507	190	419

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

©2009 Parker Hannifin Corporation. All rights reserved.

Catalogue: 174004752_01_UK
11/09



ENGINEERING YOUR SUCCESS.