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TriGas Generator for AB Sciex LC-MS Instruments

Flow Capacities up to 80 lpm

Three Gases "TriGas" On Demand

The Parker Balston NitroFlow TG2 is a self-contained gas generator that produces up to 80 lpm of pure LC-MS grade gases.

Designed for the AB Sciex 6500 series, zero air is produced at pressure above 110 psig for Gas1 and Gas2 needs. Nitrogen is produced at pressure above 80 psig for curtain cad gas and exhaust dry air is produced at pressure above 80 psig.

All gases are generated using a combination of a scroll compressor carefully engineered with nitrogen and gas dehydration membranes. The output gases are then purified using a proprietary series of unique purifiers, polishers and getter materials. This combination of Parker technologies yield the highest performing, most reliable and most quiet integrated TriGas generation system available.

Proven Technology

The unique combination of a rotary scroll compressor and Parker high efficiency membranes and purification systems ensure that the NitroFlow TG2 has many operational advantages over all other existing LC-MS gas generators. Rotary scroll compressors operate at low temperatures, have less moving parts, are vibration-free and are significantly quieter than piston compressors used by other gas generator manufacturers. The compressor in the NitroFlow TG2 comes with a 3-year limited or 10,000 hour compressor warranty.



The safe, convenient and cost effective method of providing high purity curtain, source and exhaust gases for your AB Sciex LC-MS

Features and Benefits

- Complete "plug and play" system recommended for AB Sciex LC-MS instruments
- Payback period of less than one year; low cost of ownership
- Whisper quiet operation; operates at less than 49 dB(A)
- Produces a continuous supply of nitrogen, zero air and exhaust gases for the instrument
- Easy installation and start-up
- Phthalate-free gases, no organic vapors
- Eliminates dangerous nitrogen and zero air cylinders from the laboratory, freeing up valuable laboratory floor space



TriGas Generator for AB Sciex LC-MS Instruments

Flow Capacities up to 80 lpm

Principal Specifications

Model	NitroFlow TG2
Nitrogen, Curtain Cad	Up to 18 slpm @ 80 psig
Zero Air, Gas 1, Gas 2	Up to 26 slpm @ 110 psig
Dry Air, Source Exaust	Up to 25 slpm @ 80 psig
Hydrocarbon Free	Yes
Phthalate Free	Yes
Sound Level	<49 dB(A)
Atmospheric Dewpoint	Nitrogen -58°F (-50°C) Dry Air -40°F (-40°C)
Outlet Ports	1/4" gas tubing
Min/Max Ambient Temperature	60°F/85°F (16°C/29°C)
Electrical Requirements	208-230 VAC, 60 Hz, 1 Phase, 16A (1) (2) 230 VAC, 50 Hz, 1 Phase, 13A (1) (2)
Dimensions	43"H x 21"W x 34"D (109cm H x 53cm W x 86cm D)
Product Weight	427 lbs. (194 kgs)

NOTES

1 During operation, 30A at startup

2 Main supply voltage fluctuations not to exceed +10% / -15% of nominal voltage.

Ordering Information

for assistance, call 800-343-4048, 8 to 5 Eastern Time

Description	Model
TriGas Generator with Integrated Compressor	NitroFlow TG2NA (230 VAC, 60 Hz) NitroFlow TG2WD (230 VAC, 50 Hz) NitroFlow TG2JA200 (Japan)

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