

# TriGas Generator for Sciex LC/MS Instruments



## Flow Capacities up to 69 lpm

The Parker Balston NitroFlow TG2 is a self contained gas generator that produces up to 69 lpm of pure LC/MS grade gases.

Designed for the Sciex 6500 series, zero air is produced at pressure above 7.6 bar for Gas1 and Gas2 needs. Nitrogen is produced at pressure above 5.5 bar for curtain gas and exhaust dry air is produced at pressure above 5.5 bar.

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.

## Contact Information:

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## Product Features:

- Complete 'plug and play' system recommended for 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 vapours
- Eliminates dangerous nitrogen and zero air cylinders from the laboratory, freeing up valuable laboratory floor space

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

# Principal Specifications and Ordering Information

## Flow Capacities Up to 69 slpm

### Principal Specifications

Model	NitroFlow TG2
Curtain Gas - Nitrogen	Up to 18 slpm @ 5.5 bar
Source Gas 1 & 2 - Zero Air	Up to 26 slpm @ 7.6 bar
Exhaust gas - dry air	Up to 25 slpm @ 5.5 bar
Hydrocarbon Free	Yes
Phthalate Free	Yes
Sound Level	<49 dB(A)
Atmospheric Dewpoint	-50°C
Outlet Ports	1/4" gas tubing
Min/Max Ambient Temperature	10°C / 35°C
Electrical Requirements	230VAC, 50 Hz, 1 Phase, 13A (PCE socket and 20 ampere circuit breaker required)
Dimensions	1090mm (H) x 530mm (W) x 860mm (D)
Product Weight (Shipping)	194 Kg (289 Kg)

### Ordering Information

Description	Model Number
TriGas Generator with Integrated Compressor	NitroFlow TG2WD (230VAC, 50Hz)

### Maintenance Items

5,000 hour maintenance kit (50 Hz)	MKNITROFLOWTG2-1
10,000 hour maintenance kit	MKNITROFLOWTG2-3
30,000 hour maintenance kit (50 Hz)	MKNITROFLOWTG2-4