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SOURCE LC/MS TriGas Generator Series Model LCMS-5000NA

- Generates pure nitrogen, zero air and source exhaust air from compressed air
- Eliminates costly and inconvenient nitrogen gas and zero air gas cylinders
- Prevents running out of gases during LC/MS instrument operation
- Preserves valuable laboratory space and maximizes LC/MS instrument uptime
- Reliable scroll compressor, quiet 49 dB(A) operation at a safe, low pressure
- Gas purity to 99.999% and no phthalates
- Turnkey system that eliminates stainless steel regulators and gas distribution panels



Model LCMS-5000NA

The Parker Balston SOURCE LCMS-5000NA TriGas Generator is a completely engineered system designed to deliver pure nitrogen for curtain gas, pure zero grade air as gas-1/gas-2 source gases and dry -40°F dew point air as source exhaust. The system is designed to produce gases which meet and exceed the requirements of any LC/MS requiring three independent gases. The system consists of six functional technologies: Coalescing pre-filtration with timed solenoid drains, self regenerating compressed air dehydration membranes, a proprietary heated catalysis module, elegant self-regenerating nitrogen retentate membranes, high capacity - high sensitivity carbon absorption modules and carefully matched final filtration membrane media. These technologies are integrated to a reliable scroll compressor.

The Parker Balston SOURCE LCMS-5000NA TriGas Generator will provide enough gas for a single LC/MS instrument on a continual basis and will completely eliminate dependence, expense and hassle with using high pressure nitrogen and zero air cylinders.
The generator can be connected easily, be located in the lab, and features independent stainless steel output gas ports carefully matched to the instrument. Gas distribution, pressure and flow control are integral to each TriGas generator and therefore requirements for secondary gas pressure or gas management systems are eliminated.

There is no longer any need to use valuable laboratory floor space to store excess cylinder reserves to protect from running out of gas, late or missed cylinder deliveries, transportation interruptions or periods of tight supply. With a Parker Balston SOURCE LCMS-5000NA TriGas Generator, you control all your LC/MS gas supplies.

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SOURCE LC/MS TriGas Generator Series Model LCMS-5000NA

- Supplies pure nitrogen, zero grade air and source exhaust air
- Produced and manufactured by an ISO 9001 registered organization
- Operates continuously 24 hours a day, 7 days a week
- Minimal annual maintenance
- Easy installation and whisper quiet operation
- Floor standing on movable casters
- Listed to U.S. & Canadian safety standards
- Carries CE Marking/Compliant to WEEE standard

Principal Specifications

Model	LCMS-5000NA
Curtain gas (nitrogen)	to 10 lpm and 80 psi
Source gas (uhp zero grade air)	to 23 lpm and 110 psi
Exhaust gas (dry air)	to 8 lpm and 60 psi
Compressor included	Yes - Scroll
Atmospheric dewpoint	-40°F
Hydrocarbons	<0.1 ppm measured as methane
Particles > 0.01 micron	None
Phthalates	None
Suspended liquids	None
Outlets	1/4" tube - stainless steel - 3 each
Dimensions	26"D x 45"W x 43"H
Pressure gauges	3 each
Electrical requirements (1)	120vac, 60Hz, 15 amp and 220vac, 60Hz, 30 amp
Noise level	< 49 dB(A)
Weight	564 lbs. (256 kgs)

(1) Refer to voltage appendix for electrical and plug configurations for outside North America.

Ordering Information

Model	Description
LCMS-5000NA	Source LC/MS Trigas Generator
LCMS-EZLINK	Backup Gas Cylinder Panel
IKLCMS-5000	Installation Kit
LCMS-5000NA-PM	Preventive Maintenance Plan
A03-0286	Voltage Reducing Transformer
11425-1 (specify length)	3/8" Clear PFA Tubing for Remote Compressor Use
11426-1 (specify length)	1/4" Clear PFA Tubing for Connections to LC/MS

"Using the Parker Balston Tri-Gas system with our new ABI 5500 assures maximum uptime of the instrument while offering us the lowest cost to supply gas...The more samples we run lowers our costs and shortens our overall return on the instrument."

Ed Dabrea
Laboratory Director
Jupiter Environmental Laboratories

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SOURCE LC/MS TriGas Generator Series Model LCMS-5001NTNA

- Generates pure nitrogen, zero air and source exhaust air from compressed air
- Eliminates costly and inconvenient nitrogen gas and zero air gas cylinders
- Prevents running out of gases during LC/MS instrument operation
- Preserves valuable laboratory space and maximizes LC/MS instrument uptime
- Reliable, silent operation at a safe, low pressure
- Gas purity to 99.999% and no Phthalates
- Turnkey system that eliminates stainless steel regulators and gas distribution panels



Model LCMS-5001NTNA

The Parker Balston SOURCE LCMS TriGas Generator is a completely engineered system designed to transform ordinary compressed air into pure nitrogen for curtain gas, pure zero grade air as gas-1/gas-2 source gases and dry -40°F dew point air as source exhaust. The system is designed to produce gases which meet and exceed the requirements of any LC/MS requiring three independent gases. The system consists of six functional technologies: Coalescing pre-filtration with timed solenoid drains, self regenerating compressed air dehydration membranes, a proprietary heated catalysis module, elegant self-regenerating nitrogen retentate membranes, high capacity - high sensitivity carbon absorption modules and carefully matched final filtration membrane media.

The Parker Balston SOURCE LCMS TriGas Generator will provide enough gas for a single LC/MS instrument on a continual basis and will completely eliminate dependence, expense and hassle with using high pressure nitrogen and zero air cylinders.
The generator can connect easily to an existing compressed air supply line and features independent stainless steel output gas ports carefully matched to the instrument. Gas distribution, pressure and flow control are integral to each TriGas generator and therefore requirements for secondary gas pressure or gas management systems are eliminated.

There is no longer any need to use valuable laboratory floor space to store excess cylinder reserves to protect from running out of gas, late or missed cylinder deliveries, transportation interruptions or periods of tight supply. With a Parker Balston SOURCE LCMS TriGas Generator, you control all your LC/MS gas supplies.

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SOURCE LC/MS TriGas Generator Series Model LCMS-5001NTNA

- Supplies pure nitrogen, zero grade air and source exhaust air
- Produced and manufactured by an ISO 9001 registered organization
- Operates continuously 24 hours a day, 7 days a week
- Minimal annual maintenance
- Easy installation and silent operation
- Floor standing
- Listed to U.S. & Canadian safety standards
- Carries CE Marking/Compliant to WEEE standard

Principal Specifications

Model	LCMS-5001NTNA
Curtain gas (nitrogen)	to 10 lpm and 80 psi
Source gas (uhp zero grade air)	to 23 lpm and 110 psi
Exhaust gas (dry air)	to 8 lpm and 60 psi
Air pressure required	85-145 psi (> 100 psi suggested)
Pressure dewpoint	-40°F
Hydrocarbons	<0.1 ppm measured as methane
Particles > 0.01 micron	None
Phthalates	None
Suspended Liquids	None
Inlet	3/8" tube (presto)
Outlets	1/4" tube - stainless steel - 3 each
Dimensions	16"D x 23"W x 41"H
Pressure gauges	3 each
Electrical requirements (1)	120vac, 60Hz, 3 amp
Noise	Silent operation
Weight	110 lbs. (50 kg)

(1) Refer to voltage appendix for electrical and plug configurations for outside North America.

Ordering Information

Model	Description
LCMS-5001NTNA	Source LC/MS Trigas Generator
LCMS-EZLINK	Backup Gas Cylinder Panel
IKLCMS-5000	Installation Kit
LCMS-5001NTNA-PM	Preventive Maintenance Plan
LCMS-5001NT-DN2	Extended Support with 24 Month Warranty
11426-1 (specify length)	1/4" Clear PFA Tubing for Connections to LC/MS

"Using the Parker Balston Tri-Gas system with our new ABI 5500 assures maximum uptime of the instrument while offering us the lowest cost to supply gas...The more samples we run lowers our costs and shortens our overall return on the instrument."

Ed Dabrea
Laboratory Director
Jupiter Environmental Laboratories

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SOURCE LC/MS Super Flow TriGas Generator Series Model LCMS-SF5000NA

- Generates pure nitrogen, zero air and source exhaust air from compressed air
- Eliminates costly and inconvenient nitrogen gas and zero air gas cylinders
- Prevents running out of gases during LC/MS instrument operation
- Preserves valuable laboratory space and maximizes LC/MS instrument uptime
- Reliable scroll compressor, quiet 49 dB(A) operation at a safe, low pressure
- Gas purity to 99.999% and no phthalates
- Turnkey system that eliminates stainless steel regulators and gas distribution panels



Model LCMS-SF5000NA

The Parker Balston SOURCE LCMS-SF5000NA Super Flow TriGas Generator is a completely engineered system designed to deliver pure nitrogen for curtain gas, pure zero grade air as gas-1/ gas-2 source gases and dry -40°F dew point air as source exhaust. The system is designed to produce gases which meet and exceed the requirements of any LC/MS requiring three independent gases. The system consists of six functional technologies: Coalescing pre-filtration with timed solenoid drains, self regenerating compressed air dehydration membranes, a proprietary heated catalysis module, elegant self-regenerating nitrogen retentate membranes, high capacity - high sensitivity carbon absorption modules and carefully matched final filtration membrane media. These technologies are integrated to a reliable scroll compressor.

The Parker Balston SOURCE LCMS-SF5000NA Super Flow TriGas Generator will provide enough gas for a single LC/MS instrument on a continual basis and will completely eliminate dependence, expense and hassle with using high pressure nitrogen and zero air cylinders.
The generator can be connected easily, be located in the lab, and features independent stainless steel output gas ports carefully matched to the instrument. Gas distribution, pressure and flow control are integral to each TriGas generator and therefore requirements for secondary gas pressure or gas management systems are eliminated.

There is no longer any need to use valuable laboratory floor space to store excess cylinder reserves to protect from running out of gas, late or missed cylinder deliveries, transportation interruptions or periods of tight supply. With a Parker Balston SOURCE LCMS-SF5000NA Super Flow TriGas Generator, you control all your LC/MS gas supplies.

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SOURCE LC/MS Super Flow TriGas Generator Series Model LCMS-SF5000NA

- Supplies pure nitrogen, zero grade air and source exhaust air
- Produced and manufactured by an ISO 9001 registered organization
- Operates continuously 24 hours a day, 7 days a week
- Minimal annual maintenance
- Easy installation and whisper quiet operation
- Floor standing on movable casters
- Listed to U.S. & Canadian safety standards
- Carries CE Marking/Compliant to WEEE standard

Principal Specifications

Model	LCMS-SF5000NA
Curtain gas (nitrogen)	to 20 lpm and 80 psi
Source gas (uhp zero grade air)	to 46 lpm and 110 psi
Exhaust gas (dry air)	to 16 lpm and 60 psi
Compressor included	Yes - Scroll
Atmospheric dewpoint	-40°F
Hydrocarbons	<0.1 ppm measured as methane
Particles > 0.01 micron	None
Phthalates	None
Suspended liquids	None
Outlets	1/4" tube - stainless steel - 6 each
Dimensions	27"D x 65"W x 43"H
Pressure gauges	6 each
Electrical requirements (1)	120vac, 60Hz, 15 amp and 220vac, 60Hz, 30 amp
Noise level	< 49 dB(A)
Weight	1,166 lbs. (529 kg)

(1) Refer to voltage appendix for electrical and plug configurations for outside North America.

Ordering Information

Model	Description
LCMS-SF5000NA	Source LC/MS Trigas Generator
LCMS-SFEZLINK	Backup Gas Cylinder Panel
IKLCMS-5000	Installation Kit
LCMS-SF5000NA-PM	Preventive Maintenance Plan
A03-0286	Voltage Reducing Transformer
11425-1 (specify length)	3/8" Clear PFA for Remote Compressor Use
11426-1 (specify length)	1/4" Clear PFA Tubing for Connections to LC/MS

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SOURCE LC/MS TriGas Generator Series Model LCMS-5001TNA

- Generates pure nitrogen, zero air and source exhaust air from compressed air
- Eliminates costly and inconvenient nitrogen gas and zero air gas cylinders
- Prevents running out of gases during LC/MS instrument operation
- Preserves valuable laboratory space and maximizes LC/MS instrument uptime
- Reliable, silent operation at a safe, low pressure
- Gas purity to 99.999% and no Phthalates
- Turnkey system that eliminates stainless steel regulators and gas distribution panels



Model LCMS-5001TNA

The Parker Balston SOURCE LCMS TriGas Generator is a completely engineered system designed to transform ordinary compressed air into pure nitrogen for curtain gas, pure zero grade air as gas-1/gas-2 source gases and dry -40°F dew point air as source exhaust. The system is designed to produce gases which meet and exceed the requirements of any LC/MS requiring three independent gases. The system consists of six functional technologies: Coalescing pre-filtration with timed solenoid drains, self regenerating compressed air dehydration membranes, a proprietary heated catalysis module, elegant self-regenerating nitrogen retentate membranes, high capacity - high sensitivity carbon absorption modules and carefully matched final filtration membrane media.

The Parker Balston SOURCE LCMS TriGas Generator will provide enough gas for a single LC/MS instrument on a continual basis and will completely eliminate dependence, expense and hassle with using high pressure nitrogen and zero air cylinders.

The generator can connect easily to an existing compressed air supply line and features independent stainless steel output gas ports carefully matched to the instrument. Gas distribution, pressure and flow control are integral to each TriGas generator and therefore requirements for secondary gas pressure or gas management systems are eliminated.

There is no longer any need to use valuable laboratory floor space to store excess cylinder reserves to protect from running out of gas, late or missed cylinder deliveries, transportation interruptions or periods of tight supply. With a Parker Balston SOURCE LCMS TriGas Generator, you control all your LC/MS gas supplies.

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SOURCE LC/MS TriGas Generator Series Model LCMS-5001TNA

- Supplies pure nitrogen, zero grade air and source exhaust air
- Produced and manufactured by an ISO 9001 registered organization
- Operates continuously 24 hours a day, 7 days a week
- Minimal annual maintenance
- Easy installation and silent operation
- Floor standing, includes internal economizer air receiver system
- Listed to U.S. & Canadian safety standards
- Carries CE Marking/Compliant to WEEE standard

Principal Specifications

Model	LCMS-5001TNA
Curtain gas (nitrogen)	to 10 lpm and 80 psi
Source gas (uhp zero grade air)	to 23 lpm and 110 psi
Exhaust gas (dry air)	to 8 lpm and 60 psi
Air pressure required	85-145 psi (>100 psi suggested)
Pressure dewpoint	-40°F
Hydrocarbons	<0.1 ppm measured as methane
Particles > 0.01 micron	None
Phthalates	None
Suspended Liquids	None
Inlet	3/8" tubing (presto)
Outlets	1/4" tube - stainless steel - 3 each
Dimensions	25"D x 20"W x 43"H
Pressure gauges	3 each
Electrical requirements (1)	120vac, 60Hz, 3 amp
Noise	Silent operation
Weight	224 lbs (102 kgs)

(1) Refer to voltage appendix for electrical and plug configurations for outside North America.

Ordering Information

Model	Description
LCMS-5001TNA	Source Trigas Generator
LCMS-EZLINK	Backup Gas Cylinder Panel
IKLCMS-5000	Installation Kit
LCMS-5001TNA-PM	Preventive Maintenance Plan
LCMS-5001T-DN2	Extended Support with 24 Month Warranty
11426-1 (specify length)	1/4" Clear PFA Tubing for Connections to LC/MS

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