

STREAM 3G

N2 / Dry Air Generator for Sciex LC-MS

Reference : STREAM.[Flow rate].3G



Description

The Membrane Nitrogen/Air generator has been developed to meet specific requirements in terms of flow, purity and pressure for Sciex LC-MS.

Delivering one output of laboratory-grade nitrogen and two dry air outputs, the generators are available with different gas flows.

F-DGS's STREAM 3G series generators have been engineered to provide Nitrogen and air to laboratories which already have an external source of clean, dry air.

These systems contain no moving parts, are effectively silent whilst in operation and require minimal maintenance



Applications

Sciex LC-MS

Benefits & Savings

IMPROVE LABORATORY EFFICIENCY

The relatively high gas volumes required by LCMS instruments make cylinder supply inappropriate for such applications. A constant, uninterrupted gas supply eliminates interruptions of analyses to change cylinders.

IMPROVE ANALYTICAL INSTRUMENTS PERFORMANCE

Production of a constant flow of gas improves the consistency of the analysis results and hence reproducibility.

IMPROVE ECONOMY

- Quick return on investment < 1 year
- No gas cylinder rental bottles, no price inflation

IMPROVE SAFETY

Nitrogen and dry air produced at low pressure and ambient temperature removes the hazards associated with high pressure cylinders and liquid Dewar's

SIMPLE INSTALLATION

Gas generators can be installed in the laboratory, on or under a bench, eliminating the need for long gas lines from cylinders secured elsewhere. No power supply is require.

Standard Features

- Capable of supplying multiple Sciex LC-MS instruments
- 24h/7 operation at optimum performance if required
- Gas is supplied on demand
- Completely silent in operation
- Wall mounted installation : Save space in the lab
- No noise : No mechanical parts moving
- No need of electricity supply
- Low maintenance : only to replace the filters once per year

N2
AIR

MODELS	STREAM.12.3G	STREAM.27.3G	STREAM.54.3G	STREAM.85.3G
GENERALS INFORMATIONS				
Max N2 Flow rate	12 L/min @ 4.5 bar (65 psi)	27 L/min @ 4.5 bar (65 psi)	54 L/min @ 4.5 bar (65 psi)	85 L/min @ 4.5 bar (65 psi)
Dry air outlet flow for the source gas	26 L/min @ 7.6 bar (110 psi)	46 L/min @ 7.6 bar (110 psi)	55 L/min @ 7.6 bar (110 psi)	85 L/min @ 7.6 bar (110 psi)
Dry air outlet flow for the exhaust gas	16 L/min @ 4.1 bar (60 psi)	23 L/min @ 4.1 bar (60 psi)	46 L/min @ 4.1 bar (60 psi)	60 L/min @ 4.1 bar (60 psi)
Air inlet pressure Min./ Max.	8 - 10 bar (116 - 145 psi)			
Pressure loss	< 0.8 bar (10 psi)			
N2 dewpoint at operating pressure	-40°C (-40°F)			
Particles	< 0.01 ppm			
Air flow rate required @ 8 bar (116 psi)	115 L/min		240 L/min	330 L/min
Suspended liquids	None			
Temperature range	5 - 30°C (50 - 95°F)			
Dimensions (W x H x D)	38 x 120 x 22.5 cm (15" x 47" x 9")			
Weight (kg/lbs)	24 / 53		30 / 66	
Electrical supply	220 - 240 V ac / 1 ph / 50 - 60 Hz			
	110 - 120 V ac / 1 ph / 50 - 60 Hz			
CONNECTIONS				
Inlet/outlet	1/4 G			

GoldService
 — Satisfaction Guaranteed —

The products are guaranteed 24 months*. Beyond, your investment continues to be supported by our maintenance program **[Gold Service]**. Our world class technical assistance offers Programmed preventive maintenance to ensure optimal performance of your Gas generator F-DGSi and a priority intervention in case of failure.

*Year 2 of warranty subject to generator being serviced at end of the first year by a F-DGSi-approved agent in accordance with fixed annual maintenance schedule. For full terms and conditions, visit www.f-dgs.com

GS: TECNOLOGIA APLICADA 

Certified Product

