

MP-AES Nitrogen/Air Generators

For MP-AES Applications

Applications: Specifically designed to meet the nitrogen and dry air needs to supply a Microwave Plasma Atomic Emission Spectrometer (MP-AES) of the Agilent range.

These dual flow AiroGen[®] Nitrogen/Air Generators from IATT produced by Pressure Swing Adsorption (PSA) to remove O₂, CO₂ and water from compressed air. Purified air is produced by using an activated alumina column. The generator provides two continuous streams of Nitrogen and dry air from a single 'Plug and Play' unit. The model is available with an integral oil free air compressor and is extremely quiet in operation. The Nitrogen/Air Generator is controlled using the latest in HMI touch screen technology to display the process in real time for inlet/outlet pressures.

Features

- Complete 'Plug and Play' system specifically designed for the Agilent MP-AES.
- Available with or without built-in-air oil free compressor with noise reduction technology.
- Auto start.
- Alarm display with help menu.
- Audible alarm.
- Outlet flow indicator.
- Trend graphs for QA reporting.
- Energy saving mode.



IATT provide Rapid Responsive Maintenance programmes for your Compressed Air Supply, Air Treatment and Laboratory Gas Generation equipment

Purity

For Organics Analysis
& Determination
of Sulphur.
N₂: >99.5%

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Technical

Configuration for Organics Analysis

N2: 25 L/min at 65 psi (4.48 barg), purity > 99.5%.

Air: 36.5 L/min at 87 psi (5.99 barg) separate in 3 ways for POP, EGCM and monochromator gas.

Outlet Pressure: 1 - 7 barg

Configuration for Determination of Sulphur

N2: 25 L/min at 65 psi (4.48 barg), purity > 99.5%.

Air: 36.5 L/min at 87 psi (5.99 barg) separate in 2 ways for POP and EGCM optic purge.

N2: 10 L/min @99.95% at 65 psi (4.48 barg) to supply monochromator gas.



Ambient Temp range	5-35°C (41-95°F)
Maximum air Inlet Pressure	8.5 barg
Nitrogen Outlet Pressure	See above table
Electrical Supply	220 VAC / 1 ph / 50-60 Hz - 110 VAC / 1 ph / 50-60 Hz
Outlet connections	G 1/4" (BSP) Female

Models	Flow Rate				Purity		Outlet Pressure	Integral air compressor	Dimensions H x W x D cm	Weight (Kg)
	MP-AES Gas N2	POP gas AIR	EGCM Gas AIR	Monochromator Purge gas	N2	AIR				
THYSTER -8/0-DF	25 l/min	25 l/min	1.5 l/min	Air 10 l/min	> 99.5%	Clean and dry	7 bar	No	78 x 43 x 88	110
THYSTER -8/1-DF	25 l/min	25 l/min	1.5 l/min	Air 10 l/min	> 99.5%	Clean and dry	7 bar	Yes	100 x 43 x 88	160
THYSTER -8/0	N/A	N/A	N/A	N2 10 l/min	> 99.95%	N/A	7 bar	No	78 x 43 x 77	65
THYSTER -8/1	N/A	N/A	N/A	N2 10 l/min	> 99.95%	N/A	7 bar	Yes	78 x 43 x 77	80