MP-AES Nitrogen/Air Generators

Nitrogen N2

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.

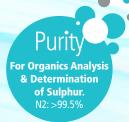
These dual flow AiroGen® Nitrogen/Air Generators from IATT produced by Pressure Swing Adsorption (PSA) to remove O2, CO2 and water from compressed air. Purified air is produced by using an activated alumina column. The generator provides two continuous streams of Nitrogen and dry air from a single 'Plug 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.













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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	Integral air	Dimensions	Weight	
	MP-AES Gas N2	POP gas AIR	EGCM Gas AIR	Monochromator Purge gas	N2	AIR	Pressure	compressor	H x W x D cm	(Kg)
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



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