

DS-PSA Nitrogen Generators

Applications: LC/MS - For Installations Far Away From the Lab Without any Pressure Drop

AiroGen[®] DS-PSA Nitrogen Generators from IATT use Pressure Swing Adsorption (PSA) technology combined with two step pressure management to produce pure nitrogen gas with high flow, pressure and purity.

This high N₂ pressure allows installation of the N₂ generator far away from the laboratory without any pressure drop at the point of use.

The N₂ generator includes as standard a pressure switch which can be adjusted on the display. By linking the N₂ system to an external gas receiving tank, service maintenance costs are greatly reduced due to the system components being under less stress.

Benefits

- Improve analytical instruments performance - Production of a constant flow of gas improves the consistency of the analysis results and hence reproducibility.
- Improved laboratory efficiency - The relatively high gas volumes required by LCMS make cylinder supply inappropriate for such applications.
- A constant, uninterrupted gas supply eliminates interruptions of analyses to change cylinders.
- Improved economy - Quick return on investment < 1 year.
- No gas cylinder rental and no gas price increases.
- Improves safety - Nitrogen produced at low pressure and ambient temperature removes the hazards associated with high pressure cylinders and liquid dewar's.

Features

- Fully regenerative PSA technology: reduced risk of gas contamination and phthalate free.
- High pressure nitrogen > 8 bar.
- Integral oil free compressor offers a fully secure N₂ supply.
- Quiet operation using a soundproofed compressor enclosure and anti-vibration features.
- Compressor over temperature alarm.
- Auto start.
- Audible and Alarm display with help menu.
- Visual maintenance indication.
- Energy saving Mode: Enables the compressor to switch off when nitrogen supply is not required with the external N₂ tank.
- Can be fitted with wheels for mobility.



Purity

N₂: >99%

IATT provide a complete system from compressor and air treatment to laboratory application

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Technical

N2

Flow Rates: 20, 35, 40 L/min
Purity %: >99%
Outlet Pressure: 1 - 8 barg

EURUS 20 LC-MS	Max. 20 L/min at 8 bar
EURUS 35 LC-MS	Max. 35 L/min at 8 bar
EURUS 40 LC-MS	Max. 40 L/min at 8 bar
Purity	> 99 %
Indicator lights	Power ON, System OK, System error
Hours run meter	yes
Max. ambient operating temperature	10 – 30°C
Integrated air compressor	yes
Noise level	< 55 dB
Electrical requirements	230V / 1800 W
Connexion	¼ NPT
Weight (Kg)	110
Dimensions (H x W x D) cm	64 x 48 x 83