Dry Air Generators

for Nuclear Magnetic Resonance

NMR Gas on Demand, up to 340 lpm

The Parker Balston NMR (Nuclear Magnetic Resonance) gas generators are a complete system with carefully matched components engineered for easy installation, operation and long term reliability. They are designed to transform standard compressed air into a safe supply of dry (-73°C) gas ideal for ejecting, spinning and lifting on NMR instruments.

The NMR gas generators are an ideal alternative to nitrogen cylinders or dewars. Payback periods are typically less than one year.

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Product Features:

- Produces a continuous supply of ultra dry (-73°C) air for NMR spectrometers and other analytical instruments
- Low cost alternative to nitrogen - pay back periods typically less than one year
- Ideal gas supply for ejecting, spinning and lifting operations
- Eliminate dangerous nitrogen cylinders or dewars from the laboratory
- Compact, reliable and minimal maintenance
- Designed to run 24 hours a day

Parker BALSTON
Analytical Gas Systems

ENGINEERING YOUR SUCCESS.

NMR gas is produced by utilising a combination of filtration and pressure swing adsorption (PSA) technologies. Standard compressed air is filtered by high efficiency coalescing filters to remove all contaminants down to 0.01 micron. The air then passes through two columns filled with molecular sieve which adsorbs moisture. This is desorbed to atmosphere during the pressure swing cycle leaving a supply of ultra dry NMR grade air. The PSA columns require no operator attention or maintenance. Simply connect the generator to the NMR instrument for consistent reliable analysis.

Principal Specification

Model	**UDA-300**
Dew Point	-73ºC
Flow Rates	Up to 340 lpm
Inlet Pressure	4.1 to 8.6 bar
Inlet Connection	1/4" NPT (Female)
Outlet Connection	1/4" NPT (Female)
Ambient Temperature	10 to 35°C
Electrical Requirements	230VAC- 50Hz - 12VDC (to the UDA-300)
Power Consumption	10 Watts
Dimensions (H x W x D)	700 x 310 x 900 mm
Weight (Shipping)	93 Kg (98)

Ordering Information

Description	**Model Number**
NMR Gas Generator	UDA - 300
Installation Kit	IK7525

Maintenance Items	**Model Number**	**Change Frequency**
Maintenance Kit	MK7525	12 Months

Distributed by:

Parker BALSTON Analytical Gas Systems

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