

HiQ® specialty gas generators.

BORA nitrogen mini series.

The BORA mini nitrogen gas generators includes an integral oil-free air compressor as standard. The generators deliver a continuous stream of pure nitrogen gas with a low residual oxygen content without the need for secondary purification. The BORA series of mini nitrogen gas generators is ideal for operation as nitrogen gas supply for all kind of laboratory and chromatography applications.

The BORA mini nitrogen gas generators use the pressure swing adsorption (PSA) system, as used in thousands of systems worldwide to remove oxygen, carbon dioxide and water from compressed air. The resulting stream of high purity nitrogen gas is ideal for applications including GC carrier, make-up gas, generally for all low flow applications. The BORA series of nitrogen gas generators is incredibly miniaturized and very silent, ideal to be placed in a little space like under or on a bench. The BORA series is the smallest sized high purity nitrogen generator worldwide.

All BORA gas generators are designed and manufactured within a rigorous ISO9001 quality system.

Advantages:

- Nitrogen produced at low pressure and ambient temperature removes the need for high pressure cylinders or liquid dewars
- A constant, uninterrupted gas supply of guaranteed purity eliminates interruptions of analyses to change cylinders and reduces the amount of instrument re-calibrations required
- 99.999%+ (99.995%+ for model B-PSA-1300) pure nitrogen gas produced as standard. No need for costly downstream secondary filtration
- Integral oil-free air compressor guarantees continuous gas supply, independent of inhouse compressed air supply
- The gas generators can easily be installed in the laboratory

Model	Description	HiQ® code
B-PSA-500	BORA PSA mini, 500 ml/min, 230V	5928
B-PSA-750	BORA PSA mini, 750 ml/min, 230V	5973
B-PSA-1300	BORA PSA mini, 1300 ml/min, 230V	5929
B-PSA-500/110	BORA PSA mini, 500 ml/min, 110V	5974
B-PSA-750/110	BORA PSA mini, 750 ml/min, 110V	5975
B-PSA-1300/110	BORA PSA mini, 1300 ml/min, 110V	5976

Maintenance

B-PSA-AK-500	Maintenance kit/500 ml/min	5930
B-PSA-AK-750/1300	Maintenance kit/750/1300 ml/min	5977
B-PSA-4K-500	4000 h filters kit/500 ml/min	5931
B-PSA-4K-750/1300	4000 h filters kit/750/1300 ml/min	5978
B-PSA-24K-500	24000 h maintenance kit/500 ml/min	5932
B-PSA-24K-750/1300	24000 h maintenance kit/750/1300 ml/min	5994
B-PSA-24TK-500	24000 h tubing kit/500 ml/min	5993
B-PSA-24TK-750/1300	24000 h tubing kit/750/1300 ml/min	5992

Technical data

Max. N ₂ flow rate (at 20°C, 1 bar)		
B-PSA-500	500 ml/min	
B-PSA-750	750 ml/min	
B-PSA-1300	1300 ml/min	
Delivery pressure	4 bar	58 psi
N ₂ purity		
B-PSA-500/750	≥99.999%	
B-PSA-1300	≥99.995%	
Oxygen content		
B-PSA-500/750	<10 ppm	
B-PSA-1300	<50 ppm	
Temperature range	10–40 °C	50–104 °F
Noise level	<50 dB(A)	
Power	230V/50Hz	110V/60Hz
Dimensions (W/D/H)	35/40/30 cm	13.8/15.7/11.8"
Weight	18 kg	40 lbs

Certification:





HiQ® BORA nitrogen mini generator.

HiQ® BORA nitrogen mini generator in principal.

