

High Purity Nitrogen Generators

Including Zero N₂ and Combined N₂/Air

Applications: GC-Carrier Gas / GC-FID, NPD, ECD, AED / NMR / Dichroism Circular / ELSD / Corona / ICP / COT / Sample Evaporation / XRD

AiroGen[®] High Purity Nitrogen Generators from IATT produce a continuous flow of High Purity N₂ using Pressure Swing Adsorption (PSA) technology. This technology uses a combination of molecular sieves to selectively eliminate O₂ and other contaminants from the air supply.

Features

- On line purity monitoring capability with the O₂ sensor.
- Catalyst module capability: hydrocarbons level < 0.05 ppm.
- Available with or without built-in-air compressor.
- Quiet operation using a soundproofed compressor enclosure and anti-vibration features.
- Auto start.
- Audible and Alarm display with help menu.
- Visual maintenance indication.
- Outlet flow indicator.
- Trend graph for QA reporting.
- Energy saving Mode: Enables the compressor to switch off when nitrogen supply is not required.
- Remote access to screen using Internet or GSM (Global Systems for Mobile communication).
- Can be fitted with wheels for mobility.



Purity

O₂: 3% to 5ppm

Modular design enable stackable gas generator combinations to be used

High Purity Nitrogen Generators

NITROGEN GENERATOR											
Models		Nitrogen Outlet Flow rate—L/min vs Oxygen Concentration						Outlet Pressure Bar g	Inlet Air pressure required barg	Dimensions W x H x D cm	Weight Kg
		1	2	3	4	5	6				
		5 ppm	100 ppm	0.1%	0.5%	1.0%	2.0%				
ALIZE-1	0	1.0	-	-	-	-	-	5.5	7	34 x 71 x 48	30
	1	1.0	-	-	-	-	-	5.5	-	34 x 71 x 69	45
ALIZE-3	0	3.0	4.0	-	-	-	-	5.5	7	43 x 78 x 77	80
	1	3.0	4.0	-	-	-	-	5.5	-	43 x 78 x 77	88
ALIZE-4 SC	0	-	-	3.0	4.0	-	-	5.5	7	34 x 71 x 48	30
	1	-	-	3.0	4.0	-	-	5.5	-	34 x 71 x 69	45
ALIZE-4 DC	0	-	-	-	6.0	-	-	5.5	7	34 x 71 x 48	30
	1	-	-	-	6.0	-	-	5.5	-	34 x 71 x 69	45
ALIZE-5	0	-	4.0	6.0	8.0	10.0	12.0	5.5	7	43 x 78 x 77	80
	1	-	4.0	6.0	8.0	10.0	12.0	5.5	-	43 x 78 x 77	96
ALIZE-6	0	5	8	15	30	35	40	5.5	7	43 x 78 x 77	80
	1	5	8	15	30	35	40	5.5	-	43 x 78 x 77	96
ALIZE-7	0	-	-	10.0	15	20	25	5.5	7	43 x 78 x 77	80
	1	-	-	10.0	15	20	25	5.5	-	43 x 78 x 77	96

ZERO NITROGEN GENERATOR - HCs < 0.05 ppm											
Models		Nitrogen Outlet Flow rate—L/min vs Oxygen Concentration						Outlet Pressure Bar g	Inlet Air pressure required barg	Dimensions W x H x D cm	Weight Kg
		1	2	3	4	5	6				
		5 ppm	100 ppm	0.1%	0.5%	1.0%	2.0%				
Z-ALIZE-1	0	1.0	-	-	-	-	-	5	7	34 x 71 x 48	30
	1	1.0	-	-	-	-	-	5	-	34 x 71 x 69	45
Z-ALIZE-3	0	3.0	4.0	-	-	-	-	5	7	43 x 78 x 77	80
	1	3.0	4.0	-	-	-	-	5	-	43 x 78 x 77	88

AIR / NITROGEN GENERATOR												
Models		Nitrogen Outlet Flow rate—L/min vs Oxygen Concentration						Outlet Pressure Bar g	Inlet Air pressure required barg	Dimensions W x H x D cm	Weight Kg	
		1	2	3	4	5	6					
		5 ppm	100 ppm	0.1%	0.5%	1.0%	2.0%					
ALLIA-1	N2 / AIR	0	1.0	-	-	-	-	-	5.5	7	34 x 71 x 69	45
		1.5 (HCs < 0,1ppm & water dewpoint< -55°C)						5.5	7	43 x 78 x 77	80	
	1	1.0	-	-	-	-	-	5.5	-			43 x 78 x 77
ALLIA-3	N2 / AIR	0	3.0	4.0	-	-	-	-	5.5	7	34 x 71 x 69	45
		3.0 (HCs < 0,1ppm & water dewpoint< -55°C)						5.5	7	43 x 78 x 77	80	
	1	3.0	4.0	-	-	-	-	5.5	-			43 x 78 x 77
			3.0 (HCs < 0,1ppm & water dewpoint< -55°C)						5.5	-		

ZERO AIR / NITROGEN GENERATOR - HCs < 0.05 ppm												
Models		Nitrogen Outlet Flow rate—L/min vs Oxygen Concentration						Outlet Pressure Bar g	Inlet Air pressure required barg	Dimensions W x H x D cm	Weight Kg	
		1	2	3	4	5	6					
		5 ppm	100 ppm	0.1%	0.5%	1.0%	2.0%					
Z ALLIA-1	N2 / AIR	0	1.0	-	-	-	-	-	5.5	7	34 x 71 x 69	45
		1.5 (HCs < 0,1ppm & water dewpoint< -55°C)						5.5	7	43 x 78 x 77	80	
	1	1.0	-	-	-	-	-	5.5	-			43 x 78 x 77
Z ALLIA-3	N2 / AIR	0	3.0	4.0	-	-	-	-	5.5	7	34 x 71 x 69	80
		3.0 (HCs < 0,1ppm & water dewpoint< -55°C)						5.5	7	43 x 78 x 77	96	
	1	3.0	4.0	-	-	-	-	5.5	-			43 x 78 x 77
			3.0 (HCs < 0,1ppm & water dewpoint< -55°C)						5.5	-		