

# Nitrogen Generators

## For high flow

Applications: NMR / Dichroism Circular / Sample Evaporation / Multiple LCMS / A Complete Lab



The range of High Flow Nitrogen Generators from IATT offer very high flow rates capable for use in large laboratory applications to industrial scale production facilities.

They use either Pressure Swing Adsorption (PSA) or Membrane Nitrogen Generation depending on the nitrogen purity required of up to 99.5% or better than 99.5% up to 99.9999%.

IATT have expertise in selecting the correct onsite Nitrogen Generation system for your needs now and in the foreseeable future. When planning an installation IATT consider all of the facts and your needs:

**What consumption is required?**

**Does consumption vary?**

**What pressure is required?**

**What purity of nitrogen is required?**

**Is the compressed air treatment system adequate?**

Taking all of these parameters into consideration, IATT can select from an array of Nitrogen Generators best suited to your needs. This includes all of the ancillary equipment such as the air compressor, air receiver, pre filters, air dryer, compressed air filtration as well as gas control/mixing and gas analysis.



*Supply - Install - Service*

High flow rate generators for large usage laboratory applications

# Nitrogen Generators

For high flow

Applications: NMR / Dichroism Circular / Sample Evaporation / Multiple LCMS / A Complete Lab



NITROGEN FLOW RATE M<sup>3</sup>/HR VS PURITY (OXYGEN CONCENTRATION)

Models	10ppm	50ppm	100ppm	500ppm	0,10%	0,5%	1,0%	2,0%	3,0%	4,0%	5,0%	H x W x D	Weight Kg
MNG104	2,0	3,8	5,5	8,6	9,0	14,1	17,8	22,0	25,8	29,0	32,2	1870x595 x550	230
MNG106	3,0	5,8	8,5	13,0	13,5	21,2	26,6	32,8	38,7	43,5	48,3	1870 x 595 x 780	350
MNG108	4,0	7,8	11,0	17,3	18,0	28,3	35,5	43,8	51,6	58,0	64,4	1870 x 595 x 910	445
MNG110	5,0	9,6	14,0	21,6	22,5	35,5	44,4	54,7	64,5	72,5	80,4	1870x 59 x 1040	538
MNG112	6,0	11,5	16,5	26,0	26,8	42,4	53,5	65,7	77,4	87,1	96,5	1870 x595 x1170	632
MNG116	8,0	14,5	21,0	32,8	34,0	53,7	67,5	83,2	98,1	110,3	122,3	1870x 595x 1480	820
MNG120	10,0	17,5	25,3	39,7	41,2	65,0	81,7	100,7	118,7	133,5	148,0	1870x595x 1740	955
AIR/N <sub>2</sub> RATIO	10,8	8	5,9	3,6	3,4	2,8	2,6	2,4	2,2	2,1	2	-	-

NITROGEN OUTLET FLOW RATE NL/MIN VS OXYGEN CONCENTRATION

Models	10ppm	100ppm	0.1%	0.5%	1.0%	2.0%	3.0%	H x W x D	Weight Kg
MNG102L	10.0	20.0	30.0	45.0	50.0	70.0	85.0	115 x 40 x 58	150
MNG104L	20.0	40.0	60.0	90.0	100.0	140.0	170.0	115 x 40 x 58	180
MNG106L	30.0	60.0	90.0	135.0	150.0	210.0	255.0	115 x 40 x 76	230
AIR/N <sub>2</sub> RATIO	10.8	5.9	3.6	3.4	2.8	2.6	2.4	2.2	2.1