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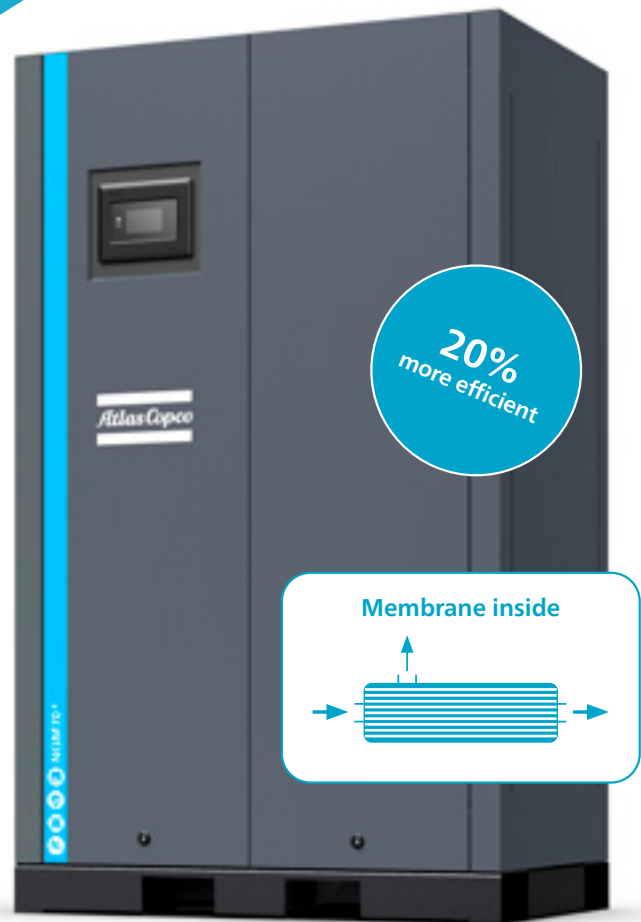
Nitrogen generators
Membrane technology

NGM+ 7-70

Reliable on-site nitrogen generation with best-in-class performance

Membrane technology has traditionally offered high-quality, reliable on-site nitrogen generation. Atlas Copco's new NGM+ now raises the bar with exceptionally low air and energy consumption, giving you the lowest cost of ownership on the market today. Maximizing the robustness and simplicity of membrane technology, the NGM+ is a compact, quiet and dependable presence on your production floor.

20% more efficient

Membrane inside

Cost savings

- Minimal energy consumption per unit of N_2.
- 20% less feed air required than a traditional generator.
- Lowest total cost of ownership in its class.
- No wasteful feed air heater required.
- Best-in-class membrane technology.

Absolute reliability

- Continuous supply of nitrogen with a stable purity.
- Advanced control and monitoring features optimize the uncluttered build and stable performance of membrane technology.
- Can be combined with a cylinder or bulk gas supply system.

Ease of use

- Easy purity adjustment on controller.
- Fast, straightforward start-up and commissioning.

The superior membrane generator

- Complete set-up: Precision O_2 sensor, feed air monitoring, and gas purity regulation valve are included as standard.
- Premium membrane:
  - Dry, high-quality N_2 at the lowest air consumption.
  - Pre-aged membranes eliminate performance loss after commissioning.
  - Soft start protects membrane and extends lifetime.
- Elektronikon® Touch controller:
  - Allows for plug-and-play installation.
  - Easy purity setting, alerts and connectivity options.
  - Feed air monitoring and optional interception.
- Compact design:
  - Built-in premium filtration with low pressure drop.
  - No external tanks required for operation with stable flow.

sustainable solution

Keep your energy costs in check:
The no-heater solution
Some membrane N_2 generators use a feed air heater to boost performance. However, these heaters use a lot of energy, inflating your operational costs. The NGM+ doesn't require a heater to reach maximum capacity. The result: a substantial reduction in your running costs.

Technical specifications

Type		Nitrogen - FND *						Dimensions (W x D x H)		Weight	
		95%	96%	97%	98%	99%	99.5%	mm	in	kg	lbs
NGM 7+	FND Nm³/h	25	21	17.2	13.4	9.6	7.1	820 x 772 x 2090	32 x 30 x 82	228	503
	FND Scfm	14.5	12.3	10.1	7.9	5.7	4.2				
NGM 14+	FND Nm³/h	49	42	34	27	19.3	14.2	820 x 772 x 2090	32 x 30 x 82	251	553
	FND Scfm	29	25	20	15.8	11.3	8.4				
NGM 21+	FND Nm³/h	74	63	52	40	29	21	820 x 1470 x 2090	32 x 58 x 82	472	1041
	FND Scfm	44	37	30	24	17	12.6				
NGM 28+	FND Nm³/h	99	84	69	54	39	28	820 x 1470 x 2090	32 x 58 x 82	499	1100
	FND Scfm	58	49	41	32	23	16.8				
NGM 35+	FND Nm³/h	123	105	86	67	48	36	820 x 1470 x 2090	32 x 58 x 82	553	1219
	FND Scfm	73	62	51	39	28	21				
NGM 42+	FND Nm³/h	148	125	103	81	58	43	820 x 1470 x 2090	32 x 58 x 82	576	1270
	FND Scfm	87	74	61	47	34	25				
NGM 49+	FND Nm³/h	173	146	121	94	67	50	820 x 1470 x 2090	32 x 58 x 82	617	1360
	FND Scfm	102	86	71	55	40	29				
NGM 56+	FND Nm³/h	198	167	138	107	77	57	820 x 1470 x 2090	32 x 58 x 82	642	1415
	FND Scfm	116	98	81	63	45	34				
NGM 63+	FND Nm³/h	222	188	155	121	87	64	820 x 1470 x 2090	32 x 58 x 82	688	1517
	FND Scfm	131	111	91	71	51	38				
NGM 70+	FND Nm³/h	247	209	172	134	96	71	820 x 1470 x 2090	32 x 58 x 82	713	1572
	FND Scfm	145	123	101	79	57	42				

* FND: Free Nitrogen Delivery

Reference conditions:
- Compressed air effective inlet pressure: 8 bar(g)/116 psi(g)
- Ambient air temperature: 20°C/68°F
- Feed air pressure dewpoint: 3°C/37°F

Performance:
- Nitrogen capacity/air consumption can vary up to +/- 5%
- Inlet air PDP to be at least 10°C/18°F lower than inlet temperature
- Outlet nitrogen quality [1:2:1] according to ISO 8573-1:2010

Options

- Feed air quality (PDP) monitoring & interception
- Nitrogen quality (PDP) monitoring
- Nitrogen digital flow meter
- Oil filter service indicator
- Exhaust vent kit
- Room oxygen alarm (wall mount)

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LLOYD'S REGISTER-LRQA

ISO 9001 • ISO 14001
OHSAS 18001

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