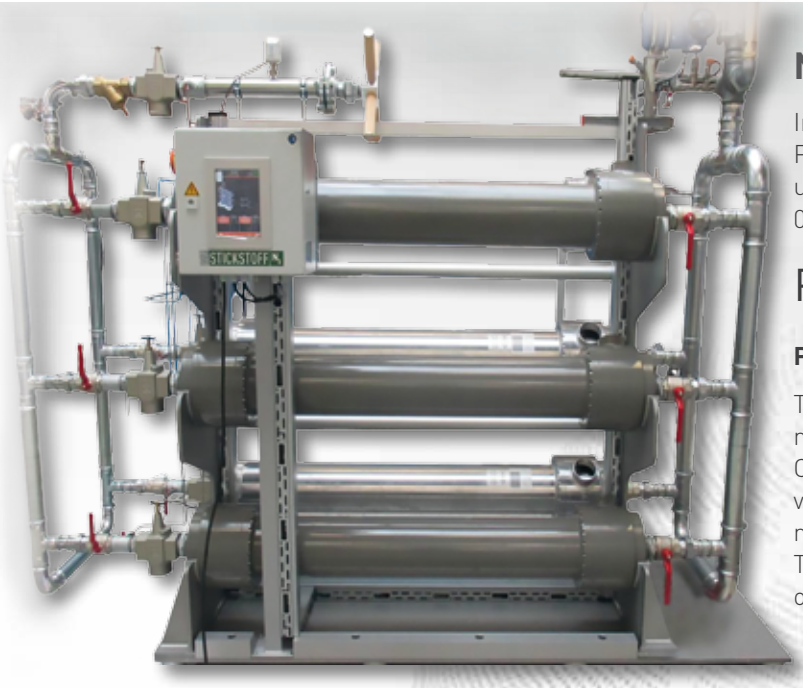
NITROGEN GENERATORS
IMT SN, MN, LNX



NITROGEN PRODUCTION UP TO 99.5%

Innovative Membrane Product Lines by INMATEC:
Profit from economical and cost-saving systems for continuous nitrogen production (Purity: 95% – 99.5% / Delivery Quantities: 0.14 – 10,000 Nm^3/h).

PERMANENT N_2 SUPPLY

PROCESS:

The core of the plant consists of hollow fiber membranes. These membranes diffuse the various air molecules at different speeds. Compared to oxygen, nitrogen has a very low diffusion rate. While O_2 virtually rushes through the hollow fibers, N_2 slowly flows through the membrane, and is thus enriched.
The flow rate of the gas through the membrane determines the purity of the nitrogen.

BENEFITS:

- **Space-Saving and Compact Design**
- Simple Assembly
- Permanent Availability
- Low-Maintenance Membrane
- Consistently High Nitrogen Quality
- Minimal Operating Costs

Additional Standards for MN & LNX:
Residual Oxygen Measurement, Multilingual Touch Control Panel L, Remote Control via PC and iPad, Long-Term Data Storage, Automatic Restart in case of Power Failure.

ONSITE IS OUR WORLD

Options:

- Pressure Booster
- Stainless Steel Model
- Alarm Function
- Back-Up System
- Redundant Design

MADE IN GERMANY

INMATEC
GaseTechnologie
GmbH & Co.KG

Gewerbestrasse 72
82211 Herrsching / Germany
phone: +49.8152.90.97.0
fax: +49.8152.90.97.10
info@inmatec.com
www.inmatec.com

NITROGEN GENERATORS
IMT SN, MN, LNX

Calculation of the Compressed Air Requirement

Multiplying the nitrogen capacity by the air factor indicated below indicates the compressed air requirements.

Nitrogen Content:	95%	96%	97%	98%	99%	99.5%
Air Factor SN & MN:	2.6	3.0	3.5	4.3	6.3	8.4
Air Factor LNX:	2.6	2.5	2.8	3.3	4.5	–

Compressed Air Specifications

Temperature Range: +5° C up to +50° C
Air Quality: ISO 8573.1, Class 1: Dirt and Oil, Class 4: Water
Pressure Dew Point: +3° C

Operating Pressure

Operating Pressure SN & MN: 13 bar max.
Operating Pressure LNX: 8 bar max.

Connections

Electric Supply: 230 V / 50 Hz (other voltages upon request)

Noise Level: from 48 to max. 75 dB(A)

Special Design

Stainless Steel, Atex, IP 65, ASME

ISO 9001:2015

Certifizied quality management system in accordance with ISO 9001:2015.

Capacity (Nm³/h)

Nitrogen Content	95%	96%	97%	98%	99%	99.5%
IMT SN 450	1.14	0.93	0.73	0.52	0.29	0.14
IMT SN 750	2.28	1.86	1.46	1.04	0.58	0.28
IMT SN 950	2.80	2.30	1.90	1.40	0.90	0.60
IMT SN 1150	4.00	3.30	2.60	1.90	1.20	0.70
IMT SN 1750	6.20	5.10	3.90	3.10	2.10	1.40
IMT SN 2250	7.30	6.00	4.60	3.60	2.40	1.50
IMT SN 2850	9.00	7.40	5.80	4.50	3.00	1.90
IMT SN 3350	12.30	10.20	7.80	6.20	4.10	2.80
IMT MN 1050	25.00	20.00	15.00	11.00	6.70	4.70
IMT MN 1150	40.00	33.00	26.00	19.00	11.00	7.00
IMT MN 1250	80.00	66.00	52.00	38.00	22.00	14.00
IMT MN 1350	120.00	99.00	78.00	57.00	33.00	21.00
IMT MN 1450	160.00	132.00	104.00	76.00	44.00	28.00
IMT LNX 1150	201.00	161.00	121.00	89.00	54.00	–
IMT LNX 1250	402.00	322.00	242.00	178.00	108.00	–
IMT LNX 1350	603.00	483.00	363.00	267.00	162.00	–
IMT LNX 1450	804.00	644.00	484.00	356.00	216.00	–
IMT LNX 1550	1,005.00	805.00	605.00	445.00	270.00	–
IMT LNX 1650	1,206.00	966.00	726.00	534.00	324.00	–
IMT LNX 1750	1,407.00	1,127.00	847.00	623.00	378.00	–
IMT LNX 1850	1,608.00	1,288.00	968.00	712.00	432.00	–
IMT LNX 1950	1,809.00	1,449.00	1,089.00	801.00	486.00	–
IMT LNX 2050	2,010.00	1,610.00	1,210.00	890.00	540.00	–

All values apply at 7 bar inlet pressure and 20° C ambient temperature.