

NITROGEN GENERATOR

IMT PN EcoTube

EcoTube: The new generation! Produces up to 5.0 N₂ with significant lower compressed air requirement and in quantities of 0,7 – 47,2 Nm³/h.

Efficient tubes & new block valve technology: This combination allows you to save up to 45% compressed air! Thanks to the flexible modular design, the system is tailor-made to your needs.

The new EcoTube Line: Your ideal solution for nitrogen production. Fully automatic and highly energy-efficient!

ECOTUBE LINE: ENERGY-EFFICIENT WITH HIGHEST PURITY



ONSITE IS OUR WORLD

BENEFITS:

- Energy-Saving Control System
- Purity up to 5.0 N₂
- Compact, Low-Maintenance Design
- High Outlet Pressure (up to 16 bar)
- Flexible and Modularly Expandable
- Easy Operation and Monitoring of all Parameters
- Including: Flow Meter as well as Filtration
- Automatic Cleaning System (Auto Pure System)
- Constant Measurement of the N₂ Purity and the Outlet Pressure

Options:

- | | | |
|-----------------------------|-------------------------|---|
| ■ Redundant | ■ Modbus | ■ Inlet Pressure Sensor |
| ■ Basic Load Change Control | ■ Profinet | ■ Temperature Sensor |
| ■ Modular Extension | ■ Remote Monitoring Box | ■ Pressure Dew Point Sensor: Product / Compressed Air |





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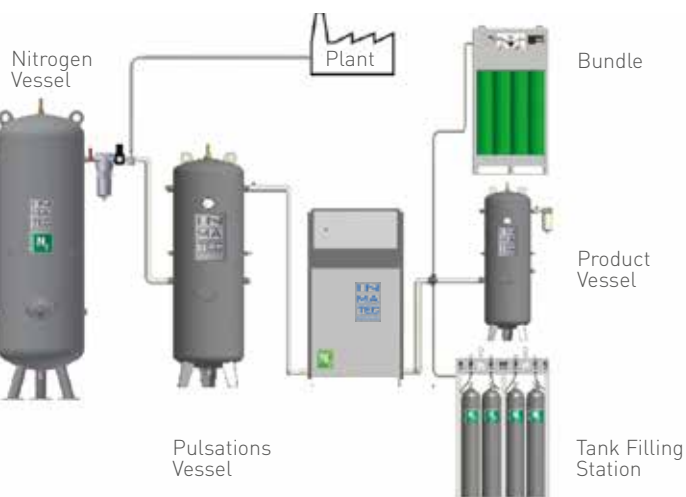
COMPRESSED AIR AND FILTRATION



ECOTUBE NITROGEN GENERATOR



NITROGEN APPLICATION



Special Design

Stainless Steel, ATEX, IP 65, ASME, Marine Design, TRCU

Compressed Air Specifications

Inlet Pressure:	max. 16 bar
Ambient Conditions:	+4° C to +40° C
Nitrogen Pressure Dew Point:	+3° C
Compressed Air Class:	1.4.1 n. ISO 8573.1

Calculate required Compressed Air

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

Nitrogen Content	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
Air Factor	1,90	1,95	2,10	2,25	2,70	3,50	4,30	5,60	6,30



ISO 9001:2015

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

Capacity (Nm³/h)

Nitrogen Content Quality Residual O ₂ (PPM)	97 %	98 %	99 %	99,5 %	99,9 %	99,95 %	99,99 %	99,995 %	99,999 %
			2.0	2.5	3.0	3.5	4.0	4.5	5.0
					1.000	500	100	50	10
IMT PN EcoTube 2210	5,9	5,1	4,0	3,5	2,9	2,5	1,8	1,3	0,7
IMT PN EcoTube 2215	8,5	7,5	6,0	5,3	3,6	3,2	2,6	1,9	1,1
IMT PN EcoTube 2410	11,8	10,2	8,1	7,0	5,8	5,0	3,5	2,5	1,5
IMT PN EcoTube 2415	17,7	15,3	12,1	10,5	7,5	6,3	5,2	3,8	2,2
IMT PN EcoTube 4410	23,6	20,4	16,2	14,0	11,5	10,0	7,0	5,0	3,0
IMT PN EcoTube 4415	35,4	30,6	24,2	21,0	15,0	12,6	10,4	7,6	4,4
IMT PN EcoTube 4420	47,2	40,8	32,4	28,0	23,0	20,0	14,0	10,0	6,0