ON-DEMAND NITROGEN

TN2 Series Nitrogen Generators

Designed to Meet a Broad Range of Industry Needs

The TN2 Series revolutionizes on-site nitrogen production by breaking the mold on one-size-fits-all solutions. Recognizing that the need for nitrogen production encompasses a wide variety of applications in dozens of industries, TN2 is engineered for flow rates from 0.5 to 5000 SCFH and is designed for easy operation and low maintenance. TN2 is especially suited for harsh environments like wash-down areas, explosive and hazmat situations, and severe weather conditions. Talk to us about your specific needs. We have solutions available to meet your nitrogen requirements in a cost-effective and efficient manner.

Applications:

Laboratory Sciences
- Carrier Gas
- Make-up Gas
- Instrument Gas
- Glove Boxes
- Fume Cupboards
- Metallurgical Carburizing

Food Packaging & Food Processing
- Food Preservation
- Controlled Atmospheric Storage
- Food Storage
- Ingredient Mixing
- Blanketing
- Gas Knifing
- Wine Dispensing
- Beer Dispensing

Industrial Processes
- Annealing
- Hardening
- Autoclaving
- Sparging
- Mixing
- Plasma Cutting
- Laser Cutting

Electronics Manufacturing
- Chamber Stabilization
- Positioning Gas
- Soldering
- Circuit Imprinting

Chemical Processing
- Chemical Blanketing
- Chemical Purging
- Dry Material Transfer
- Gas Chromatography
- Gas Spectroscopy

Pharmaceutical Processing
- Blanketing
- Powder Transport
- Ingredient Stabilization

ON-DEMAND TN2 SERIES

Engineered Solutions Provide Cost-Effective, On-Demand Nitrogen Production

TN2 Basic

For those with the appropriate internal mechanical capabilities, we offer the option of a package made up of a dual filter system and membrane module shipped separately for field installation.

TN2 Essentials

Includes membrane module(s) with filters, and a flow control system shipped separately for increased economy. The flow control system ensures delivery of proper purity and eliminates the possibility of overflow condition.

TN2 Total

The most common nitrogen production solution includes filtration, temperature, pressure and flow control packages along with membrane module(s). Compressed air hook-up, electric service, vent gas, and nitrogen gas outlet are connection points provided. Various options are available.

TN2 GenPak

For applications where a reliable source of compressed air is not available. The package includes a high quality air compressor, wet air receiver and nitrogen generator that provides a precisely matched supply of high quality nitrogen to downstream processes. Various options are available.

FLOW RATES

TN2 Basic/Essentials Series

TN2 Basic/Essentials Flow Rates (SCFH) @ 100 PSIG, 80°F Inlet Air Conditions*				
TN2B/TN2E Series	95% Purity		99.5% Purity	
	Inlet Air	Outlet N_2	Inlet Air	Outlet N_2
TN2 0800	22.9	10.6	13.7	3.0
TN2 0900	38.2	17.6	23.2	4.4
TN2 1000	97.1	46.0	60.0	13.2
TN2 1100	164.0	77.7	102.0	22.3
TN2 1200	291.0	138.0	180.0	39.5
TN2 1300	478.0	226.0	295.0	64.8
TN2 1400	582.0	276.0	360.0	79.0
TN2 1500	956.0	452.0	590.0	129.6
TN2 1600	1204	570.0	744.0	163.0
TN2 1700	1434	678.0	885.0	194.4
TN2 1800	1912	904.0	1180	259.2
TN2 1900	2408	1140	1488	326.0
TN2 2000	2868	1356	1770	388.8
TN2 2100	3612	1710	2232	489.0
TN2 2200	4816	2280	2976	652.0

* For TN2 Basic & Essentials units, pre-drying of compressed air is required. For applications requiring greater capacity or purity, please consult the factory for our TN2 Extended Line nitrogen generation solutions.

TN2 Total Series

TN2 Total Flow Rates (SCFH) @ 100 PSIG, 80°F Inlet Air Conditions				
TN2T Series	95% Purity		99.5% Purity	
	Inlet Air	Outlet N_2	Inlet Air	Outlet N_2
TN2T0800	36.4	15.6	23.0	4.0
TN2T0900	62.3	25.8	39.7	5.9
TN2T1000	156.0	66.7	101.0	17.6
TN2T1100	264.0	113.0	171.0	29.7
TN2T1200	468.0	200.0	303.0	52.6
TN2T1300	768.0	328.0	497.0	86.5
TN2T1400	936.0	400.0	606.0	105.2
TN2T1500	1536	656.0	994.0	173.0
TN2T1600	1937	827.0	1253	218.0
TN2T1700	2304	984.0	1491	259.5
TN2T1800	3072	1312	1988	346.0
TN2T1900	3874	1654	2506	436.0
TN2T2000	4608	1968	2982	519.0
TN2T2100	5811	2481	3759	654.0
TN2T2200	7748	3308	5012	872.0
TN2T2300	9685	4135	6265	1090
TN2T2400	11622	4962	7518	1308

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