NITROGEN GENERATOR SYSTEM

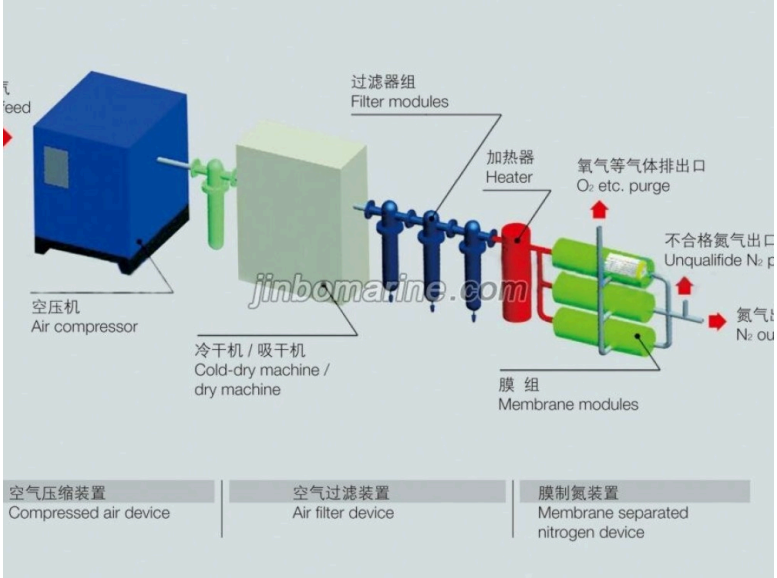
Membrane Separator Module Nitrogen Generator System

ISO9001 Supplier

Class Certificate

Export Supply

Principle: Nitrogen separators are made up of many bundles of hollow fiber, and each separator contains thousands of fibers. When two or more than two kinds of mixed air pass through the macromolecule are ...



Key Highlights

Category	Nitrogen Generator System
Standard	DIN
Material	Steel
Weight / Size	Model NO Flow Rate (Nm3/h) Gas Consumption (Nm3/h) Working Pressure (Mpa...
Certificate	CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

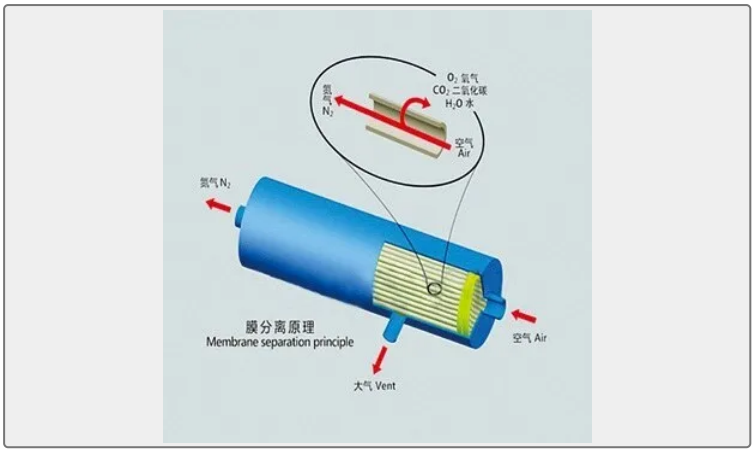
Technical Specifications

Category	Nitrogen Generator System	**Model / SKU**	Membrane-Separator-Module-Nitrogen-Generator-System
Standard	DIN	**Material**	Steel
Weight / Size	Model NO Flow Rate (Nm3/h) Gas Consumption (Nm3/h) Working Pressure (Mpa) Size L W H YT-CMD100-95 100 212.77 1.0 1600 250 600 YT-CMD200-95 200 425.53 1.0 1600 600 600 YT-CMD300-95 300 638.30 1.0 1600 600 800 YT-CMD400-95 400 851.06 1.0 1600 600 1000 YT-CMD500-95 500 1063.83 1.0 1600 600 1000 YT-CMD800-95 800 1702.13 1.0 1600 600 1200 YT-CMD1000-95 1000 2127.66 1.0 1600 600 1400 YT-CMD1500-95 1500 3191.49 1.0 1600 600 1700 YT-CMD1800-95 1800 3829.79 1.0 1600 600 2000 YT-CMD2000-95 2000 4255.32 1.0 1600 600 2200 YT-CMD2500-95 2500 5319.15 1.0 1600 600 2500 YT-CMD3000-95 3000 6382.98 1.0 1600 600 2800 Note:	**Certificate**	CCS
Warranty	12 Months unless specified otherwise	**Origin**	China

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- Model No and Specification:
- Working Process:
- Technology Parameters:

Principle:



Nitrogen separators are made up of many bundles of hollow fiber, and each separator contains thousands of fibers. When two or more than two kinds of mixed air pass through the macromolecule are different, according to the condition, we can distinguish air as “fast air” and “slow air”. When mixed air are effected by different pressure, then fast air such as water hydrogen, oxygen, helium, carbon dioxide will permeate the membrane and are enriched in the infiltration side; Slow air as firedamp, nitrogen, carbon monoxide and argon ect., are enriched in the stagnation side in order to separate the mixed air. When pure compressed air as the air resource, inert gas such as nitrogen will enrich to be the high purity air that can be used in the industry while oxygen in the infiltration side are discharged as exhaust gas.

Working Process:

Compressed air supplied by the air compressor enters into air tank, refrigeration dryer and multistage filter containing carbon filter to filtrate particles, oil and water in air. Generally the particle can be filtrated to less than 0.01μm and oil to less than 0.003ppm. The purified air can satisfy requirement of membrane modules totally and be separated there. Nitrogen will enter the user’s section. The qualified nitrogen will enter the next process and the unqualified will be discharged automatically.

Features:

1. The latest technology of normal temperature air separation.

2.High performance membrane module with strict test standard can reduce energy consumption and increase economic benefit for the unser.

3. Compatibilization is simple.

4. Use top-end refrigeration dryer, filter and other assorted equipment to produce high quality nitrogen from air, meanwhile guarantee the service life and operation stability.

5. Low noise, static running to meet the requirements of environmental protection.

6. Easy to operate and produce N2in Short time.

7. Perfect training and service support.

Technology Parameters:

Capacity: 0~3000Nm3/h

Purity: 90%~99.9%(VOL)

Pressure:≤35Mpa

Dew Point:≤40℃

Model No and Specification:

Model NO	Flow Rate (Nm3/h)	Gas Consumption (Nm3/h)	Working Pressure (Mpa)	Size		
				L	W	H
YT-CMD100-95	100	212.77	1.0	1600	250	600
YT-CMD200-95	200	425.53	1.0	1600	600	600
YT-CMD300-95	300	638.30	1.0	1600	600	800
YT-CMD400-95	400	851.06	1.0	1600	600	1000
YT-CMD500-95	500	1063.83	1.0	1600	600	1000
YT-CMD800-95	800	1702.13	1.0	1600	600	1200
YT-CMD1000-95	1000	2127.66	1.0	1600	600	1400
YT-CMD1500-95	1500	3191.49	1.0	1600	600	1700
YT-CMD1800-95	1800	3829.79	1.0	1600	600	2000
YT-CMD2000-95	2000	4255.32	1.0	1600	600	2200
YT-CMD2500-95	2500	5319.15	1.0	1600	600	2500
YT-CMD3000-95	3000	6382.98	1.0	1600	600	2800

Note:

1. The based condition is 1.0Mpa, 20℃temp, 1000mbar atm pressure and 80% relative humidity.
2. O2<5% (VOL)
3. Listed in the table is only a part of the specification, we can properly design according to customer requirements.