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One-stop Air Solution Supplier

- ▶ Oxygen Generator
- ▶ Nitrogen Generator





Professional After-sales Service



High Quality



INTRODUCTION



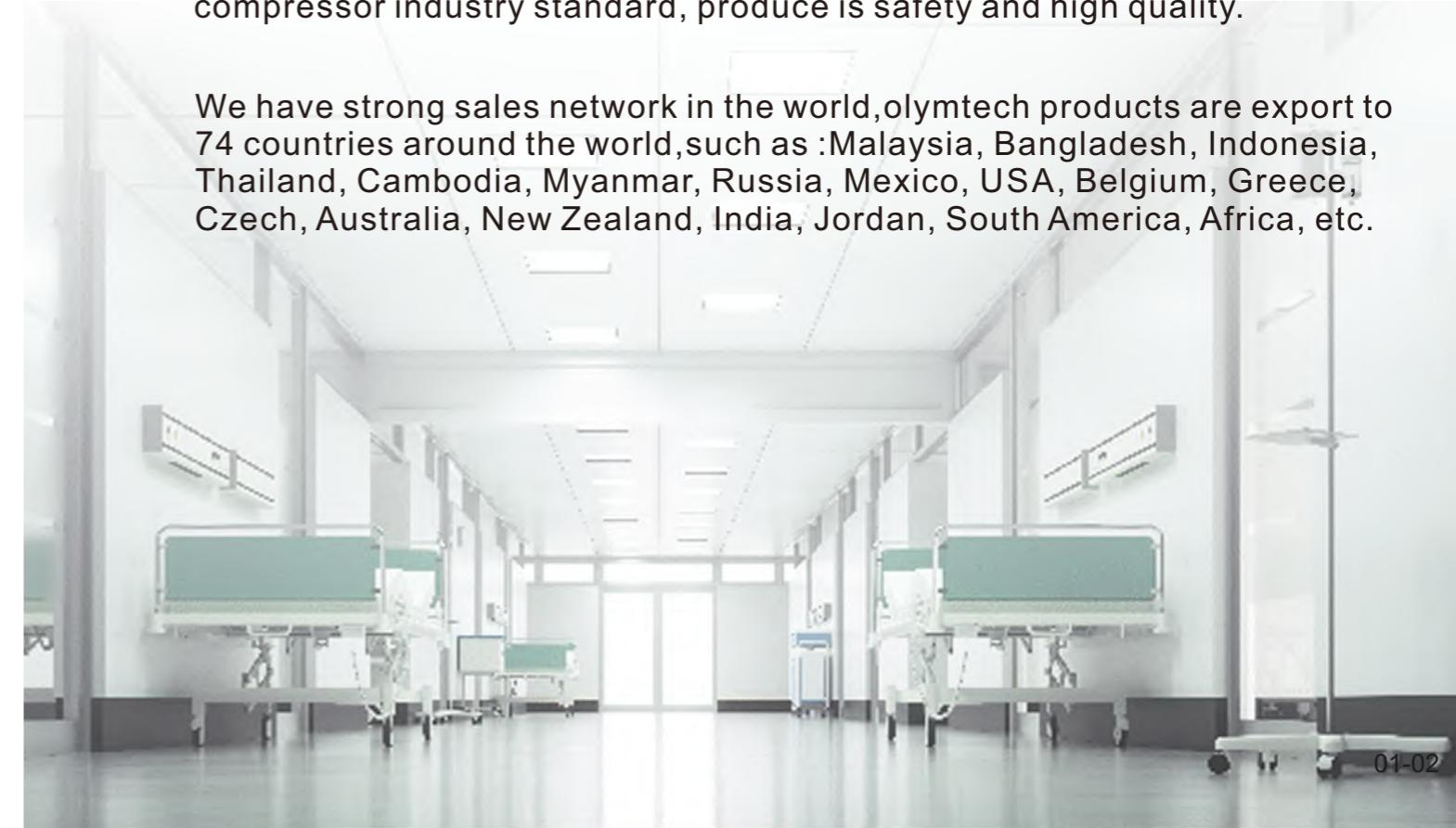
公司简介 —

Olymtech Technology Development Co.,Ltd is a gas engineering solution provider, mainly produce Oxygen generator, Nitrogen generator, screw air compressor and after treatment equipment.

Our factory is located in Guangdong and Jiangsu province, China, We have more than 20 years experience in oxygen generator, nitrogen generator, air compressor, air dryer, air filter producing and exporting. We have research and develop center, advanced processing equipment, professional technicians, rich experience workers and after-sales team to offer good quality products and good service to our customers.

Tornado Pro, Jianye is our own brand, we also offer OEM/ODM service. Our products comply with the regulation of ISO ISO9001, CE, ASME, GC & compressor industry standard, produce is safety and high quality.

We have strong sales network in the world, olymtech products are export to 74 countries around the world, such as :Malaysia, Bangladesh, Indonesia, Thailand, Cambodia, Myanmar, Russia, Mexico, USA, Belgium, Greece, Czech, Australia, New Zealand, India, Jordan, South America, Africa, etc.



Qualification & Honor



OXYGEN GENERATOR



PSA制氧机 | PSA Oxygen Generator

► 产品简介

■ PSA 制氧机是以沸石分子筛为吸附剂，利用压缩空气中氧、氮在分子筛表面吸附量的差异，通过加压吸附，降压解吸的原理从压缩空气中直接制取氧气的全自动化设备。

Product introduction

PSA oxygen generator is a fully automatic equipment for directly producing oxygen from compressed air by using the zeolite molecular sieve as an adsorbent, utilizing the adsorption capacity of oxygen and nitrogen difference on the molecular sieve surface through the principle of pressure adsorption and declining pressure desorption.



► 技术指标

- 氧气产量 : 1~300Nm³/h (标准状态下)
- 氧气纯度 : 93%±3% (表压)
- 氧气压力 : 0.01~0.6Mpa (稳定可调)
- 氧气露点 : -40°C~-70°C (常压露点)

Technical indicators

Oxygen production : 1~300Nm³/h(Standard State)
Oxygen purity: 93%±3%(Gauge Pressure)
Oxygen pressure : 0.01~0.6Mpa(Stable And Adjustable)
Oxygen dew point: -40°C~-70°C(Atmospheric Dew Point)

► 技术参数 Technical Parameters

规格型号 Model	产气量 (Nm ³ /h) Gas production	空气耗气量 (Nm ³ /min) air consumption	进口公称通径 DN(mm) Imported nominal diameter DN	出口公称通径 DN(mm) Imported nominal diameter DN	空气净化系统 Air nominal diameter DN	主机L×W×H (mm) Host
HBF093-1	1	0.2	DN15	DN15	BL0010	800*650*1720
HBF093-2	2	0.4	DN15	DN15	BL0010	950*950*1500
HBF093-3	3	0.6	DN15	DN15	BL0010	1050*900*1865
HBF093-5	5	1	DN20	DN15	BL0010	1450*900*1825
HBF093-10	10	2	DN32	DN15	BL0020	1450*900*1825
HBF093-15	15	3	DN40	DN25	HBHAD-4-0	1800*950*1940
HBF093-20	20	4	DN40	DN25	HBHAD-6-0	1850*1025*2100
HBF093-25	25	5	DN50	DN25	HBHAD-6-0	2000*1050*2210
HBF093-30	30	6	DN50	DN25	HBHAD-8-0	2000*1050*2530
HBF093-50	50	10	DN65	DN25	HBHAD-13-0	2200*1250*2720
HBF093-60	60	12	DN65	DN40	HBHAD-15-0	2250*1300*2850
HBF093-80	80	16	DN80	DN40	HBHAD-20-0	2350*1550*3060
HBF093-100	100	20	DN100	DN40	HBHAD-25-0	2500*1600*3330
HBF093-120	120	24	DN100	DN40	HBHAD-30-0	2600*1700*3670
HBF093-150	150	30	DN150	DN40	HBHAD-40-0	4700*1500*2980
HBF093-180	180	36	DN200	DN40	HBHAD-40-0	4700*1600*3370
HBF093-200	200	40	DN200	DN40	HBHAD-60-0	5000*1600*3330
HBF093-240	240	48	DN200	DN50	HBHAD-60-0	5200*1700*3670
HBF093-300	300	60	DN250	DN50	HBHAD-80-0	5900*1600*4520

► 产品特点 Advantages



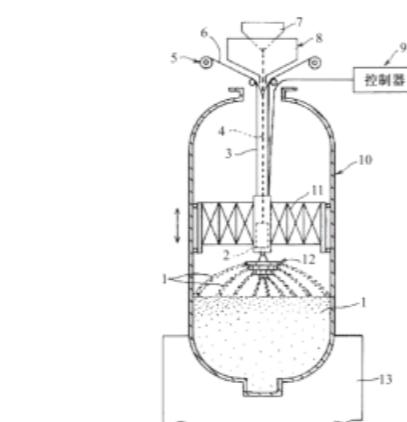
Unique structure tower

Unique lotus type air distribution device avoids the impact of high pressure air on molecular sieve, prolong the service life of molecular sieve. At the same time greatly improving the efficiency of oxygen production and reduce the energy consumption.



Molecular Sieve

- Jolan high efficiency oxygen molecular sieve
- It is hardness, not easy to crush, oxygen high recovery and long service life
- Reduce the air consumption ratio, save energy



Advanced molecular sieve filling method

Oxygen molecular sieve is filling by "snowstorm" method by vibration platform and air pump which 100% ensure their compaction, incase sieve power and prolong it service life.



Solenoid valve

- German Burkert
- Action time only need 0.05seconds, service life ≥ 2 million times
- Simple structure, good sealing, quick action, easy maintenance which ensure the reliable operation of Oxygen generator



Oxygen analyser

- Precision measurement, longer service life, the measurement accuracy reach to 0.01%



PLC control system

- Use Japan Mitsubishi or Germany SIEMENS control system
- Reliable, easy operate, strong communication, rich extension modules

► Oxygen generator unit



► Oxygen generator filling station





► 产品简介

- 变压吸附(PSA)制氮机是以碳分子筛为吸附剂，降压解吸的原理从空气中吸附氧气，从而分离出氮气的自动化设备。

Product introduction

Pressure swing adsorption(PSA)nitrogen generator is an automatic equipment that uses carbon molecular sieve as adsorbent, pressure reduction desorption principle to adsorb oxygen from the air, thereby separating nitrogen.

► 技术指标

氮气产量 : 1~5000Nm ³ /h	(标准状态下)
氮气纯度 : 90%~99.9995%	(国标非氧含量)
氮气压力 : 0.01~0.8Mpa	(表压, 稳定可调)
氮气露点 : -40°C~70°C	(常压露点)

Technical indicators

Nitrogen production : 1~5000Nm³/h(Standard State)

Nitrogen purity : 90%~99.9995%(National Standard Non-oxygen Content)

Nitrogen pressure : 0.01~0.8Mpa(Table Pressure Stable And Adjustable)

Nitrogen dew point : -40°C~70°C(Atmospheric Dew Point)



高品质的碳分子筛

高密度、紧凑的弹簧加载、顶部 / 底部均衡、受专用压力传感器保护。

High quality carbon molecular sieve

High density, compact spring loaded, top/bottom balance, protected by a dedicated pressure sensor.

► 产品特点

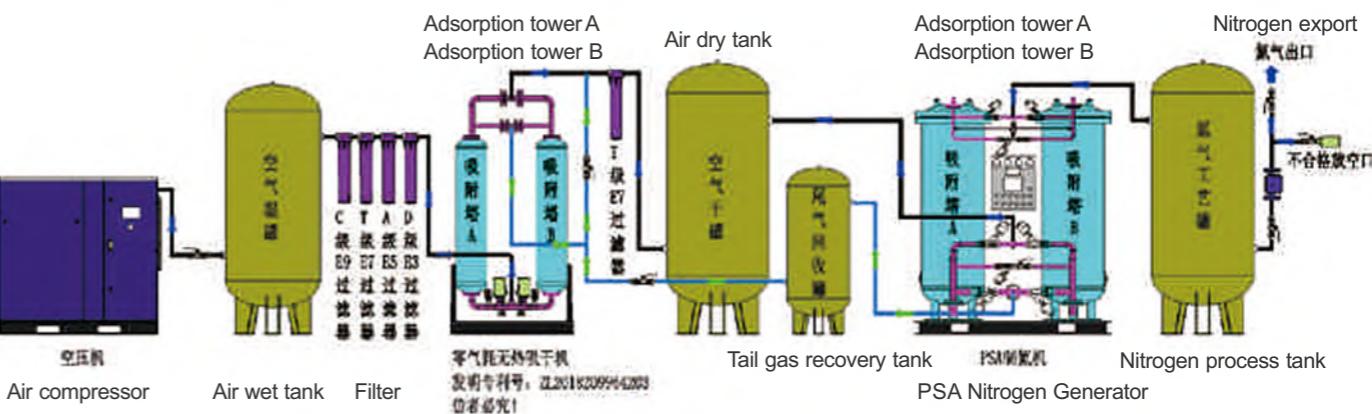
- 原料空气取自自然，只需提供压缩空气和电源即可制氮气。
- 氮气纯度调整方便，在90% - 99.999%之间任意调节。
- 设备自动化程度高，产气快，可无人值守，开机10-15分钟内即可产生氮气。
- 设备工艺流程简单，占地面积小，设备能耗低，运行成本费用少。
- 暴风雪法装填分子筛，避免高压气流冲击导致分子筛粉化现象，保证分子筛长时间使用。
- 进口分析仪在线检测，高精度，免维护。

Product characteristics

- Raw material air is taken from nature. Nitrogen can be produced by supplying compressed air and power.
- Nitrogen purity can be adjusted conveniently and arbitrarily between 90% and 99.999%.
- The equipment is highly automated, produces gas quickly, and can be unattended. Nitrogen can be produced within 10-15 minutes of startup.
- The equipment process is simple, occupies a small area, consumes less energy and costs.
- Molecular sieves are filled by snowstorm method to avoid the pulverization of molecular sieves caused by high-pressure airflow impact and ensure the long-term use of molecular sieves.
- On-line inspection of imported analyzer with high accuracy and maintenance-free.



► 制氮机流程图 Flow Chart Of Nitrogen Machine



产品优势

Product Advantages

▶ 自动启动 Automatic start

- 最小压力阀与旁通喷嘴，可快速启动。
 - 避免气量过大和碳分子筛造成的伤害。
1. Minimum pressure valve and bypass nozzle for quick start.
2. Avoid excessive gas and carbon molecular sieve damage.

▶ 杰出的可靠性 Outstanding reliability

- 坚固耐用的设计。
 - 持续运行(一天24小时，每周7天)。
 - 不会因为中断供气而停止运行。
1. Rugged design.
2. Continuous operation (24 hours a day, 7 days a week).
3. It will not stop operation due to interruption of air supply.

▶ 自动调节，纯度稳定

- 根据所需氮气压力和纯度自动调节。
 - 纯度调整极其方便。
 - 不合格氮气吹放。
- Automatic adjustment, stable purity
1. According to the required nitrogen pressure and purity automatically adjusted.
2. The purity adjustment is extremely convenient.
3. Failed nitrogen blowing.

▶ 高品质的碳分子筛

- 高密度。
 - 紧凑的弹簧加载。
 - 顶部 / 底部均衡。
 - 受专用压力传感器保护。
- The quality carbon molecular sieve
1. High density.
2. Compact spring loaded.
3. Top/bottom balance.
4. Protected by a dedicated pressure sensor.

产品篇

Products

HBFD29型制氮机 氮气纯度 : 99% (Nitrogen Purity)

规格型号 Model	氮气产量 (Nm ³ /h) Nitrogen production	有效耗气量 (Nm ³ /min) Effective air consumption	进口管径 (DNmm) Inlet pipe size	出口管径 (DNmm) Outlet pipe diameter	主机L×W×H (mm) Host
HBFD29- 15	15	0.55	DN15	DN15	1250*600*1400
HBFD29- 20	20	0.73	DN20	DN15	1250*600*1850
HBFD29-30	30	1.10	DN20	DN25	1450*700*1825
HBFD29-50	50	1.83	DN25	DN40	1650*800*2070
HBFD29-60	60	2.2	DN25	DN40	1750*825*2090
HBFD29-80	80	2.9	DN32	DN40	1800*850*2420
HBFD29-100	100	3.7	DN32	DN40	1800*850*2090
HBFD29-120	120	4.4	DN40	DN40	1850*925*2100
HBFD29-150	150	5.5	DN40	DN40	2000*950*2210
HBFD29-180	180	6.6	DN50	DN40	2000*950*2530
HBFD29-200	200	7.3	DN50	DN40	2100*1000*2660
HBFD29-250	250	9.1	DN50	DN50	2100*1100*2680
HBFD29-300	300	11.0	DN65	DN50	2250*1200*2850
HBFD29-350	350	12.8	DN65	DN50	2250*1200*2850
HBFD29-400	400	14.6	DN65	DN80	2350*1400*2980
HBFD29-500	500	18.3	DN80	DN80	2350*1500*3240
HBFD29-600	600	21.9	DN80	DN80	2500*1500*3400
HBFD29-700	700	25.6	DN100	DN80	2600*1600*3670
HBFD29-800	800	29.2	DN100	DN80	2950*1600*4010
HBFD29-900	900	32.9	DN100	DN100	2950*1600*4420
HBFD29-1000	1000	36.5	DN100	DN100	2950*1600*4340
HBFD29-1200	1200	43.8	DN125	DN100	2950*1600*4740
HBFD29-1500	1500	54.8	DN125	DN100	2950*1800*5020
HBFD29-1800	1800	65.7	DN200	DN100	5900*1500*4420
HBFD29-2000	2000	73.0	DN200	DN100	5900*1600*4340
HBFD29-2500	2500	91.3	DN200	DN100	5900*1600*4940
HBFD29-3000	3000	109.5	DN250	DN125	5900*1800*5020

HBFD295型制氮机 氮气纯度 : 99.5% (Nitrogen Purity)

规格型号 Model	氮气产量 (Nm ³ /h) Nitrogen production	有效耗气量 (Nm ³ /min) Effective air consumption	进口管径 (DNmm) Inlet pipe size	出口管径 (DNmm) Outlet pipe diameter	主机L×W×H (mm) Host
HBFD295-15	15	0.64	DN15	DN15	1250*600*1400
HBFD295-20	20	0.85	DN20	DN15	1250*600*1850
HBFD295-30	30	1.27	DN20	DN25	1450*700*1825
HBFD295-50	50	2.1	DN25	DN25	1750*825*2090
HBFD295-60	60	2.5	DN32	DN40	1750*825*2210
HBFD295-80	80	3.4	DN32	DN40	1800*850*1940
HBFD295-100	100	4.2	DN40	DN40	1850*925*2100
HBFD295-120	120	5.1	DN40	DN40	1850*925*2390
HBFD295-150	150	6.4	DN50	DN40	2000*950*2530
HBFD295-180	180	7.6	DN50	DN40	2100*1000*2660
HBFD295-200	200	8.5	DN50	DN40	2100*1100*2530
HBFD295-250	250	10.6	DN65	DN50	2200*1150*2720
HBFD295-300	300	12.7	DN65	DN50	2250*1200*2850
HBFD295-350	350	14.8	DN65	DN50	2350*1400*2980
HBFD295-400	400	16.9	DN80	DN80	2350*1450*3060
HBFD295-500	500	21.2	DN80	DN80	2500*1500*3330
HBFD295-600	600	25.4	DN100	DN80	2600*1600*3670
HBFD295-800	800	33.9	DN100	DN80	2950*1500*4520
HBFD295-900	900	38.1	DN100	DN80	2950*1600*4440
HBFD295-1000	1000	42.3	DN125	DN100	2950*1600*4740
HBFD295-1200	1200	50.8	DN125	DN100	2950*1800*4820
HBFD295-1500	1500	63.5	DN200	DN100	5900*1500*4320
HBFD295-1800	1800	76.2	DN200	DN100	5900*1600*4440
HBFD295-2000	2000	84.7	DN250	DN100	5900*1600*4740
HBFD295-2500	2500	105.8	DN250	DN100	5900*1800*5020
HBFD295-3000	3000	127.0	DN250	DN125	6300*2000*5200

HBFD39型制氮机 氮气纯度 : 99.9% (Nitrogen Purity)					
规格型号 Model	氮气产量 (Nm ³ /h) Nitrogen production	有效耗气量 (Nm ³ /min) Effective air consumption	进口管径 (DNmm) Inlet pipe size	出口管径 (DNmm) Outlet pipe diameter	主机L×W×H (mm) Host
HBFD39-10	10	0.53	DN15	DN15	1250×600×1400
HBFD39-15	15	0.79	DN20	DN15	1250×600×1850
HBFD39-20	20	1.06	DN20	DN25	1450×700×1825
HBFD39-30	30	1.59	DN25	DN25	1650×800×2070
HBFD39-50	50	2.6	DN32	DN25	1800×850×1940
HBFD39-60	60	3.2	DN40	DN40	1800×850×2290
HBFD39-80	80	4.2	DN40	DN40	1850×925×2390
HBFD39-100	100	5.3	DN50	DN40	2000×950×2530
HBFD39-120	120	6.3	DN50	DN40	2100×1000×2660
HBFD39-150	150	7.9	DN50	DN40	2100×1100×2800
HBFD39-160	160	8.5	DN65	DN40	2200×1150×2720
HBFD39-180	180	9.5	DN65	DN40	2250×1200×2750
HBFD39-200	200	10.6	DN65	DN40	2250×1200×2850
HBFD39-250	250	13.2	DN65	DN50	2350×1450×2980
HBFD39-300	300	15.9	DN80	DN50	2350×1500×3370
HBFD39-350	350	18.5	DN80	DN50	2500×1500×3400
HBFD39-400	400	21.1	DN100	DN80	2600×1600×3670
HBFD39-500	500	26.4	DN100	DN80	2950×1500×4320
HBFD39-600	600	31.7	DN100	DN80	2950×1600×4440
HBFD39-800	800	42.3	DN125	DN80	2950×1800×4820
HBFD39-1000	1000	52.8	DN200	DN100	5900×1500×4320
HBFD39-1200	1200	63.4	DN200	DN100	5900×1600×4440
HBFD39-1500	1500	79.3	DN200	DN100	5900×1600×4940
HBFD39-1800	1800	95.1	DN250	DN100	6300×2000×4800
HBFD39-2000	2000	105.7	DN250	DN100	6300×2000×5200

HBFD49型制氮机 氮气纯度 : 99.99% (Nitrogen Purity)					
规格型号 Model	氮气产量 (Nm ³ /h) Nitrogen production	有效耗气量 (Nm ³ /min) Effective air consumption	进口管径 (DNmm) Inlet pipe size	出口管径 (DNmm) Outlet pipe diameter	主机L×W×H (mm) Host
HBFD49-5	5	0.36	DN15	DN15	1250×600×1400
HBFD49-10	10	0.72	DN20	DN15	1250×600×1850
HBFD49-15	15	1.08	DN20	DN15	1450×700×1825
HBFD49-20	20	1.44	DN25	DN25	1150×1130×1900
HBFD49-30	30	2.2	DN32	DN25	1750×825×2210
HBFD49-50	50	3.6	DN40	DN25	1850×925×2100
HBFD49-60	60	4.3	DN40	DN40	1850×925×2390
HBFD49-80	80	5.8	DN50	DN40	2100×1000×2470
HBFD49-100	100	7.2	DN50	DN40	2100×1100×2530
HBFD49-120	120	8.6	DN50	DN40	2100×1100×2800
HBFD49-150	150	10.8	DN65	DN40	2250×1200×2850
HBFD49-180	180	13.0	DN65	DN40	2350×1450×280
HBFD49-200	200	14.4	DN80	DN40	2350×1450×360
HBFD49-250	250	18.0	DN80	DN50	2500×1500×3330
HBFD49-300	300	21.6	DN100	DN50	2600×1600×3670
HBFD49-350	350	25.2	DN100	DN50	2950×1500×4220
HBFD49-400	400	28.8	DN100	DN80	2950×1500×4520
HBFD49-500	500	36.0	DN100	DN80	2950×1600×4740
HBFD49-600	600	43.2	DN125	DN80	2950×1800×4820
HBFD49-800	800	57.6	DN200	DN80	5900×1500×4520
HBFD49-900	900	64.8	DN200	DN80	5900×1600×4440
HBFD49-1000	1000	72.0	DN200	DN100	5900×1600×4740
HBFD49-1200	1200	86.4	DN250	DN100	5900×1800×4820
HBFD49-1400	1400	100.8	DN250	DN100	6300×2000×5000

HBFD59型制氮机 氮气纯度 : 99.999% (Nitrogen Purity)					
规格型号 Model	氮气产量 (Nm ³ /h) Nitrogen production	有效耗气量 (Nm ³ /min) Effective air consumption	进口管径 (DNmm) Inlet pipe size	出口管径 (DNmm) Outlet pipe diameter	主机L×W×H (mm) Host
HBFD59-3	3	0.28	DN15	DN15	1250×600×1400
HBFD59-5	5	0.47	DN20	DN15	1250×600×1850
HBFD59-10	10	0.93	DN20	DN15	1450×700×1825
HBFD59-15	15	1.40	DN25	DN15	1650×800×2070
HBFD59-20	20	1.87	DN32	DN25	1750×825×2210
HBFD59-25	25	2.3	DN32	DN25	1800×850×1940
HBFD59-30	30	2.8	DN40	DN25	1800×850×2290
HBFD59-40	40	3.7	DN40	DN25	2000×950×2210
HBFD59-50	50	4.7	DN40	DN25	2000×950×2530
HBFD59-60	60	5.6	DN50	DN40	2100×1000×2660
HBFD59-80	80	7.5	DN50	DN40	2200×1150×2720
HBFD59-100	100	9.3	DN65	DN40	2250×1200×2950
HBFD59-120	120	11.2	DN65	DN40	2350×1450×2980
HBFD59-150	150	14.0	DN80	DN40	2350×1500×3460
HBFD59-180	180	16.8	DN100	DN40	2500×1500×3640
HBFD59-200	200	18.7	DN100	DN40	2950×1600×3810

HBFD箱体式制氮机 (Box Nitrogen generator)									
气量 Air	规格型号 Model	氮气纯度 Nitrogen purity					进口管径 (DNmm) Inlet pipe size	出口管径 (DNmm) Outlet pipe diameter	主机L×W×H (mm) Host
		99.999%	99.99%	99.90%	99.50%	99%			
氮气产量(Nm ³ /h) Nitrogen production	HBFD-1	1	1	2	3	3	DN15	DN15	800×650×1240
有效耗气(Nm ³ /min) Effective air consumption		0.09	0.07	0.1	0.12	0.11			
氮气产量(Nm ³ /h) Nitrogen production	HBFD-2	1.5	3	4	5	5	DN15	DN15	800×650×1720
有效耗气(Nm ³ /min) Effective air consumption		0.14	0.22	0.2	0.2	0.18			
氮气产量(Nm ³ /h) Nitrogen production	HBFD-3	3	5	7	10	15	DN15	DN15	950×950×1500
有效耗气(Nm ³ /min) Effective air consumption		0.28	0.36	0.35	0.41	0.53			
氮气产量(Nm ³ /h) Nitrogen production									

► Successful case



电子行业制氮机方案
Scheme of Nitrogen generator in Electronic Industry



化工行业制氮机方案
Scheme of Nitrogen generator in Chemical Industry



锂电环保行业制氮机方案
Scheme of Nitrogen generator in Environmental Protection Industry of Lithium Electricity



石油天然气行业制氮机方案
Nitrogen generator Scheme for Petroleum and Natural Gas Industry



医药行业制氮机方案
Nitrogen generator Scheme in Pharmaceutical Industry



粮油食品行业制氮机方案
Scheme of Nitrogen generator in Grain, Oil and Food Industry



冶金热处理行业制氮机方案
Scheme of Nitrogen generator in Metallurgical Heat Treatment Industry



HBFD箱体式制氮机系列方案
Series Scheme of HBFD Box Type Nitrogen generator



电缆行业制氮机方案
Scheme of Nitrogen generator in Cable Industry



铝制品行业制氮机方案
Scheme of Nitrogen generator in Aluminum Products Industry



集装箱式制氮机方案
Container Nitrogen generator Scheme



新能源行业制氮机方案
New Energy Industry Nitrogen generator Scheme

