

# Medical Molecular Sieve Oxygen Generator



### Application:

Medical molecular sieve oxygen production system is a new type of equipment which uses advanced pressure swing adsorption (PSA) technology to extract oxygen from air. With air as raw material, zeolite molecular sieve as adsorbent, at room temperature and low pressure, the use of zeolite molecular sieve for selective adsorption of oxygen and nitrogen and adsorption capacity increases with the increase of adsorption pressure, with the decrease of adsorption pressure and reduce the characteristics. Nitrogen is adsorbed under pressurized condition, oxygen is enriched, nitrogen is desorbed under reduced pressure condition, and molecular sieve is regenerated at the same time. The cycle alternates to separate oxygen. The specific working process is that the compressed air is purified by the air purification dryer and then enters the adsorption tower through the switching valve. In the adsorption tower, nitrogen is adsorbed by molecular sieve, oxygen at the top of the adsorption tower is accumulated into the oxygen storage tank, and then after odor removal, dust removal and sterilization filtration, qualified medical oxygen is obtained. The whole process of oxygen production for physical adsorption process, no chemical reaction, no pollution to the environment. Products are widely used in hospitals, nursing homes, urban health centers and other medical institutions for oxygen supply.

### Features:

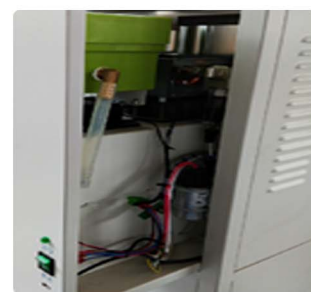
- \* Modular design "multi-purpose multi-standby" to ensure normal and continuous operation.
- \* Unique oxygen separation technology, 3 minutes after starting, oxygen concentration is higher than 90%, low power consumption.
- \* American ZEOCHEM lithium molecular sieve, fast speed, stability and long-term effect.
- \* Combined structure, oxygen production, pressurization, unified control specifications, flexible capacity expansion and space saving.
- \* Multi-form integrated noise reduction technology can effectively reduce operating noise.
- \* Adopt American Thomas oil-free air compressor with low maintenance cost.
- \* The oxygen supply pressure is stable, adjustable from 0.4Mpa to 0.7Mpa.

### Technical Parameters:

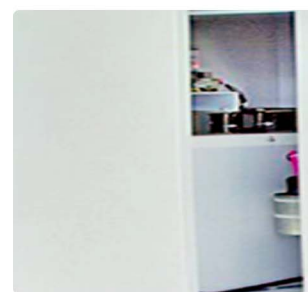
Model	BKZY-2	BKZY-3	BKZY-6
Capacity	2m³/h	3m³/h	6m³/h
Outer size	1155*668*1730mm	905*668*1342mm	1155*668*1730mm
Weight	280Kg	235Kg	430Kg
Power	2.4kw	3.6kw	7.2kw
Power supply	220V/50Hz, 110V/60Hz		
Recommended oxygen storage tank volume	150L	600L	1500L
Reference number of beds(pc)	40~60	80~120	150~200
Packing size	1255*768*1930mm	1005*768*1542mm	1255*768*1930mm
Gross weight	310kg	265kg	460kg



Control Module



Oxygen Generation Module



Booster Module