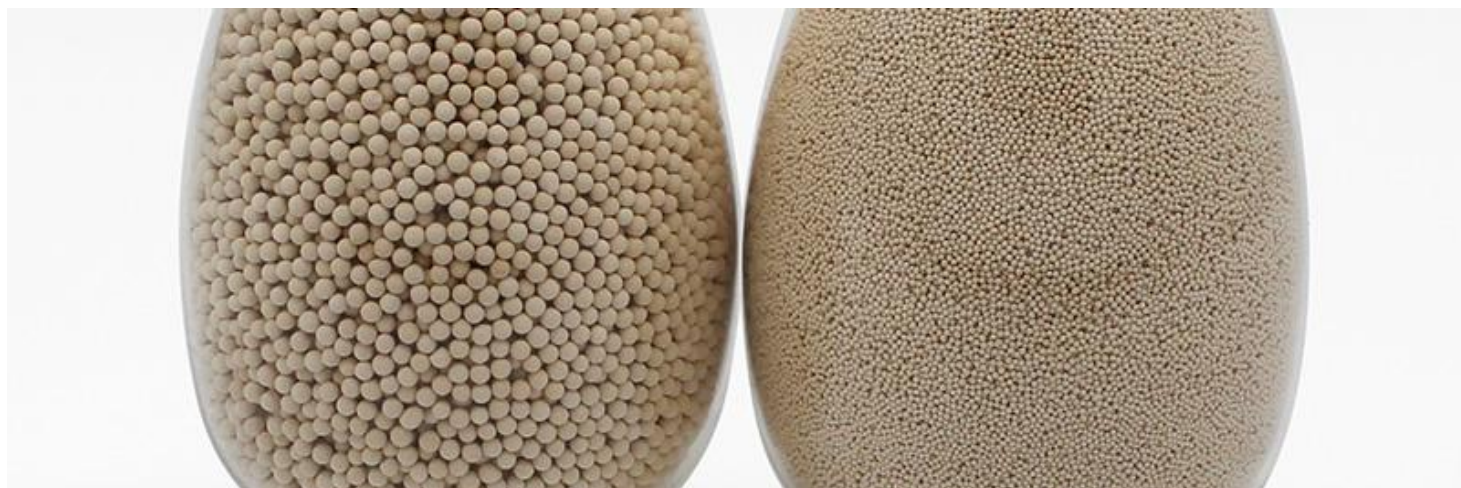




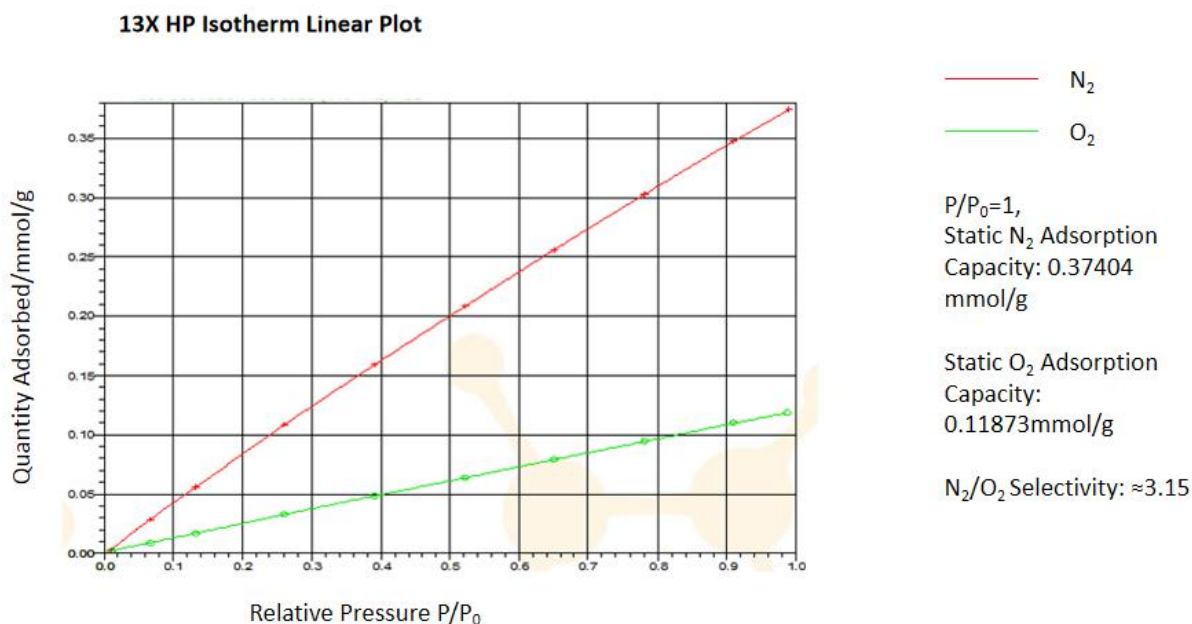
MOLECULAR SIEVE 13X-HP

CHEMXIN Molecular Sieve type 13X is mainly used in PSA oxygen generator for generation of high purity oxygen with the advantages of faster adsorption rate, higher oxygen production rate and longer use life. They are the substitute of 5A (CaA) type molecular sieve. Normally, CHEMXIN Molecular Sieve 13X-HP model XCHP-01 is designed for portable oxygen generator 1-5L/Min, Molecular Sieve 13X-HP model XCHP-02 is designed for industrial oxygen plant, oxygen purity is up to 93%±3%.

TYPICAL PHYSICAL PROPERTIES

Item	Molecular Sieve 13X-HP	
Color	Light gray	
Nominal pore diameter	10 angstroms	
Shape	Sphere (ball)	
Model	XCHP-01	XCHP-02
Diameter (mm)	0.4-0.8	1.6-2.5
Loss on Ignition (wt%.575℃, 1hr)	≤1.0	≤1.0
Bulk density (g/ml)	≥0.62	≥0.62
Crushing strength (N)	/	25+-3/piece
Static H ₂ O capacity (wt% RH60%,25℃)	≥30	≥30
Static CO ₂ capacity(wt% 250mmHg, 25℃)	≥19.8	≥19.8
Attrition (wt%)	≤0.2	≤0.2
Particle Ration (%)	≥95	≥97
N ₂ capacity(ml/g.)	≥8	≥8
N ₂ /O ₂ Selectivity(a.)	≥3	≥3
Concentration of O ₂	93%+-3%	93%+-3%

N2 & O2 SEPARATION COEFFICIENT CHART



TYPICAL APPLICATION

CHEMXIN Molecular Sieve 13X- HP is mainly used in industrial PSA oxygen concentrator in waste water treatment field, aquaculture field for fish farming, ozone production field. As well as used in potable PSA generator for medical oxygen market.

0.4-0.8MM	Used in medical care oxygen generator, small, portable oxygen concentrators. Capacity: 1L/min-10L/min.
1.6-2.5MM	Used in Industrial and medical Oxygen generator/plant, hospital oxygen concentrators of PSA system. Capacity <300Nm ³ /hour.

HAND & STORAGE RECOMMENDATION

CHEMXIN Molecular Sieve 13X- HP is packed in aluminum bags and sealed in air-tight drums. This sieve is very sensitive to moisture, please do not open before using. Storage temperature range: -10 ~ 45°C. Avoid direct sunlight!

STANDARD PACKING

0.4-0.8MM: 25KG Steel Drum with inner aluminum foil bag

1.6-2.5MM: 125kg steel drum with inner aluminum foil bag