



XRCMS-220 Carbon Molecular sieve



Carbon molecular sieve (CMS) is a new non-polar adsorbent that fuses activated carbon and zeolites into one product. Carbon molecular sieve specializes in separating oxygen from nitrogen under the normal temperature and pressure, which is an important part in natural gas processing. This process is done with a PSA (Pressure Swing Adsorption) device. Carbon molecular sieve could adsorb material less than 10 angstrom. Various pore sizes can be created for Carbon molecular sieve. Carbon Molecular sieve can be applied in many different fields, such as petroleum chemical industry, metal heat treatment, electron production, and as preservative in food products etc.

Our CMS-220 products have the characters of high nitrogen yield capacity and nitrogen recovery rate which can meet all types of PSA nitrogen systems requirements. XRCMS-220 could fully replace Kuraraycoal 1.5GN-H carbon molecular sieve.

Model	Adsorption Pressure (MPa)	N ₂ Purity (%)	N ₂ Yield (L/h.kg)	N ₂ Recovery Rate (%)
XRCMS-220	0.6	99.99	70	≥23
		99.9	128	≥34
		99.5	185	≥42

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		99.0	260	≥ 47
		98.0	305	≥ 52
	0.8	99.99	90	≥ 25
		99.9	160	≥ 34
		99.5	220	≥ 42
		99.0	285	≥ 47
		98.0	355	≥ 53

Physical Properties

Adsorption period: 2*60 Second

Cylindrical Diameter: 1.2-2.0mm(We could manufacture as the required size)

Bulk Density: 650-700 g/l

Crushing Strength: ≥ 100 N/P MIN

Dust Level: 100PPM Max

Carbon content $> 98.5\%$

Ash content: $< 1\%$

Packaging

20kg/40kg PVC plastic drums with nitrogen sealed.

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