JM Series Filtration Media



Ewater
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JM Active Carbon

JM series of active carbon in granular form are made from fruitshell or coal and activated through high temperature water steam method, under the process of cushing after treatment. JM series of active carbon is with large surface area , developed structure, high absorption and strenght which could widely used in residential and industrial water treatment system etc.



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Model	Raw Material	Size	Iodine	Surface Area	Ash	Moisture	pH	Hardness	Density (g/m^3)	Methylene Blue
JM101	Fruit shell	8-16 mesh	600mg/g	700 m^2/g	≤5%	≤10%	6-8	≥92%	550-600	100 mg/g
JM102	Fruit shell	8-16 mesh	400mg/g	450 m^2/g	≤5%	≤10%	6-8	≥92%	600-650	60 mg/g
JM103	Fruit shell	4-10 mesh	400mg/g	450 m^2/g	≤5%	≤10%	6-8	≥92%	600-650	60 mg/g

Model	Raw Material	Size	Moisture	Uniform Coefficient	Ash	Fixed Carbon	Sulphur	Hardness	Density (g/cm^3)	
JM230	Anthracite	1-2 mm	2-5%	1-2%	≤10%	60-80%	<1%	≥95%	1.2-1.5	



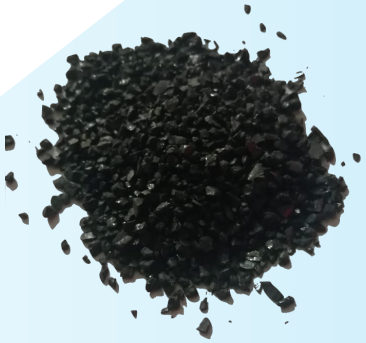
JM 101



JM 102



JM 103



JM 230

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*Please contact us for more models

JM Cation Exchange Resin

JM strong acid cation exchange resins are widely used for hard water softening, amino acid extraction, extraction of antibiotics, drug purification, and preparation of pure water.



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Specifications

Polymer Matrix Structure	Styrene Crosslinked with DVB
Functional Groups	$HSO3^-$
Physical Form and Appearance	Light brown yellow transparent spherical particles
Ionic Form	Na^+
Total Exchange Capacity	≥4.5mmol/g (dry) (Na^+ type)
	≥1.9mmol/mL (Na^+ type)
Moisture Retention	45-50% (Na^+ type)
Specific Gravity	1.25-1.29g/mL (Na^+ type)
Shipping Weight	0.77-0.87g/mL (Na^+ type)
Particle Size	0.45mm-1.25mm particle ≥95%
	<0.45mm particle <1%
Harmonic Mean Size	≥0.50mm
Uniformity Coefficient	<1.6
Maximum Reversible Swelling	Na^+ - K^+: 10%

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Suggested Operating Condition

Maximum Operating Temperature	120°C		
Minimum Depth	800mm		
Service Flow Rate	5-25BV*/h		
Maximum Operating Rate	60m/h		
Regenerant	NaCl	HCl	H_2SO_4
Level (% of ionic load)	80-220g/L	50-150g/L	80-240g/L
Concentration (%)	5-10%	5-8%	0.7-6%
Flow Rate	2-8 BV*/h	2-5 BV*/h	2-20 BV*/h
Minimum Contact Time	30 mins		
Slow Rinse	2 BV* (Regenerate Flow Rate)		
Fast Rinse	4-8 BV*(Service Flow Rate)		

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JM Gravel & Silica Sand

JM Gravel & Silica Sand filtration material is commonly used in aquariums pools, industrial, wastewater, municipal, residential filtration and oil and gas well fracturing.

All of our material has been washed, dried and screened to meet particle size specifications and the stringent requirements for filtration of water, wastewater and other applications.



0.5-0.8mm

Model	Particle Grade	SiO_2 Content	Bulk Density	Specific Gravity	Acid Solubility	Hardness (Moh's Scale)	Moisture	Package
JM-S1	0.50-0.80 mm	99±1%	>1.50 kg/m³	>2.60 g/cc	<1.0±0.5%	7.00	<0.050%	50kg/bag
JM-S2	0.80-1.20 mm	> 98±1%	>1.50 kg/m³	>2.60 g/cc	<1.5±0.5%	7.00	<0.050%	50kg/bag
JM-S3	1.0-2.0 mm	97±1%	>1.50 kg/m³	>2.60 g/cc	<2.0%	7.00	<0.050%	50kg/bag
JM-S4	1.0-3.0 mm	> 97±1%	>1.50 kg/m³	>2.60 g/cc	<2.0%	7.00	<0.050%	50kg/bag
JM-S5	3.0-5.0 mm	> 90±5%	>1.50 kg/m³	>2.60 g/cc	<10.0±5%	7.00	<0.050%	50kg/bag
JM-S6	5.0-8.0 mm	> 90±5%	>1.50 kg/m³	>2.60 g/cc	<10.0±5%	7.00	<0.050%	50kg/bag
JM-S7	8.0-10.0 mm	> 90±5%	>1.50 kg/m³	>2.60 g/cc	<10.0±5%	7.00	<0.050%	50kg/bag
JM-S8	8.0-16.0 mm	> 90±5%	>1.50 kg/m³	>2.60 g/cc	<10.0±5%	7.00	<0.050%	50kg/bag
JM-S9	10.0-12.0 mm	> 90±5%	>1.50 kg/m³	>2.60 g/cc	<10.0±5%	7.00	<0.050%	50kg/bag



0.8-1.2mm



1.0-3.0mm



3.0-5.0mm



5.0-8.0mm



8mm-10mm



8.0-16.0mm

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