



Ion Exchange Resin



HEBI HIGER CHEMICAL TECHNOLOGY CO., LTD.

HEBI·CHINA



Hebi Higer Chemical Technology Co., Ltd. is located in JiJiaShan Provincial Chemical Industrial Zone in Hebi City, Henan Province, which covers an area of 240 Mus. The total investment is 560 million with an annual output of 100 thousand tons of ion exchange resins. HIGER possesses a perfect geographic location, wide surroundings and convenient transportation, ect.

HIGER is an integrated enterprise of ion exchange resin which includes the scientific research, production improvement, sales and service. On the basis of existed strong acid, strong base, weak acid, weak base and macroporous resin, company develops various kinds of resins with perfect services. It covers a wide range of electricity, petrochemical, metallurgy, food, dyes and bio-pharmaceuticals. Products are popular in China and also exported to the USA, Russia, Korea, Kazakhstan, Turkey, India, Thailand, Malaysia, ect.

HIGER will stay committed to the development of Ion Exchange Resin, and provide superior products and services for all customers!

QUALITY INSURANCE

HIGER always follows the conception of quality first, and has established the well-trained production and technical teams, strong quality assurance system, effective control and verification system, to ensure the total quality control over the production equipment, raw and auxiliary materials, production process, semi-finished products and final products.

1. Purchasing procedure

2. Production procedure

3. Warehousing inspection

4. After-sale service



Main Products Catalogue

Resin series	Type	Product name	Functional group	Mass complete exchange capacity mmol/g(dry)	Volume complete exchange capacity mmol/ml	Appearance	Particle Size% 0.315-1.25mm	Moisture content%	Specific density g/ml 20℃	Bulk density g/ml	Sphericity (After abrasion)%	Swelling %	Thermal stability ℃	PH range	Shipping form	Main applications
Strong Acid Cation Exchange Resin Series	001x4	Strongly acidic styrene type cation exchange resin	-SO ₃ ⁻	≥4.55Na	≥1.4	Brownish yellow to brown transparent spherical particles	≥95	55-65	1.16-1.22	0.74-0.78	≥90	Na ⁺ -H ⁺ ≤10	H 100 Na 120	0-14	Na ⁺	Water softening, water desalination, preparation of pure water and ultrapure water, production of monosodium glutamate, purification of medicine, chemistry catalysis and separation of rare metals.
	001x7R	Strongly acidic styrene type cation exchange resin	-SO ₃ ⁻	≥4.4Na	≥1.7	Brownish yellow to brown transparent spherical particles	≥95 0.315-1.40	48-56	1.24-1.29	0.77-0.87	≥90	Na ⁺ -H ⁺ ≤10	H 100 Na 120	0-14	Na ⁺	
	001x7N	Strongly acidic styrene type cation exchange resin	-SO ₃ ⁻	≥4.5Na	≥1.8	Brownish yellow to brown transparent spherical particles	≥95	45-53	1.25-1.29	0.77-0.87	≥90	Na ⁺ -H ⁺ ≤10	H 100 Na 120	0-14	Na ⁺	
	001x7	Strongly acidic styrene type cation exchange resin	-SO ₃ ⁻	≥4.5Na	≥1.9	Brownish yellow to brown transparent spherical particles	≥95	45-50	1.25-1.29	0.77-0.87	≥90	Na ⁺ -H ⁺ ≤10	H 100 Na 120	0-14	Na ⁺	
	001x7FC	Strongly acidic styrene type cation exchange resin	-SO ₃ ⁻	≥4.5Na	≥1.9	Brownish yellow to brown transparent spherical particles	≥95 0.45-1.25	45-50	1.25-1.29	0.77-0.87	≥90	Na ⁺ -H ⁺ ≤10	H 100 Na 120	0-14	Na ⁺	
	001x7MB	Strongly acidic styrene type cation exchange resin	-SO ₃ ⁻	≥4.5Na	≥1.8	Brownish yellow to brown transparent spherical particles	≥95 0.50-1.25	45-50	1.25-1.29	0.77-0.87	≥90	Na ⁺ -H ⁺ ≤10	H 100 Na 120	0-14	Na ⁺	
	001x8	Strongly acidic styrene type cation exchange resin	-SO ₃ ⁻	≥4.4Na	≥2.0	Brownish yellow to brown transparent spherical particles	≥95	43-48	1.25-1.30	0.78-0.88	≥90	Na ⁺ -H ⁺ ≤10	H 100 Na 120	0-14	Na ⁺	Water treatment, preparation of pure water, hydrometallurgy, separation of rare metals and production of biological pharmacy.
	D001FC	Macroporous strongly acidic styrene type cation exchange resin	-SO ₃ ⁻	≥4.35Na	≥1.8	Light brown opaque spherical particles	≥95 0.45-1.25	45-55	1.25-1.28	0.77-0.85	≥90	Na ⁺ -H ⁺ ≤10	H 100 Na 120	0-14	Na ⁺	Preparation of ultrapure water, purification of condensation water, wastewater treatment, recycling of rare metals amino acid and catalyst.
	D001MB	Macroporous strongly acidic styrene type cation exchange resin	-SO ₃ ⁻	≥4.35Na	≥1.8	Milky white or light yellow opaque spherical particles	≥95 0.50-1.25	45-55	1.25-1.28	0.77-0.85	≥90	H ⁺ -Na ⁺ 9-10	H 100 Na 120	0-14	Na ⁺	
Weak Acid Cation Exchange Resin Series	D113	Macroporous weakly acidic acrylic acid cation exchange resin	-COOH	≥10.8	≥4.4	Light brown opaque spherical particles	≥95	45-52	1.14-1.20	0.72-0.80	≥90	H ⁺ -Na ⁺ ≤70	100	0-14	H ⁺	Water softening and desalination, especially for removal of bicarbonates, carbonates and other alkaline recycling and treatment of effluents.
	D113FC	Macroporous weakly acidic acrylic acid cation exchange resin	-COOH	≥10.8	≥4.4	Milky white or light yellow opaque spherical particles	≥95 0.45-1.25	45-52	1.14-1.20	0.72-0.80	≥90	H ⁺ -Na ⁺ ≤70	100	0-14	H ⁺	Preparation of pure water and ultrapure wastewater treatment, extraction of sugar.
Strong Base Anion Exchange Resin Series	201x2	Strongly basic styrene type anion exchange resin	-N ⁺ (CH ₃) ₃	≥3.8	≥0.45	Light yellow or golden yellow transparent spherical particles	≥95	55-65	1.04-1.08	0.65-0.75	≥90	Cl ⁻ -OH ⁻ ≤30	Cl-80 OH-60	0-14	Cl ⁻	Preparation of pure water and ultrapure water, wastewater treatment, extraction of radioactive element, medicine and sugar, the 'three wastes' treatment, chemical catalysis and separation of rare metals.
	201x4	Strongly basic styrene type anion exchange resin	-N ⁺ (CH ₃) ₃	≥3.7	≥1.1	Light yellow or golden yellow transparent spherical particles	≥95	50-60	1.06-1.10	0.66-0.71	≥90	Cl ⁻ -OH ⁻ ≤25-28	Cl-80 OH-60	1-14	Cl ⁻	
	201x7	Strongly basic styrene type anion exchange resin	-N ⁺ (CH ₃) ₃	≥3.5	≥1.35	Light yellow or golden yellow transparent spherical particles	≥95	42-48	1.07-1.10	0.67-0.73	≥90	Cl ⁻ -OH ⁻ ≤22	Cl-80 OH-60	1-14	Cl ⁻	
	201x7FC	Strongly basic styrene type anion exchange resin	-N ⁺ (CH ₃) ₃	≥3.5	≥1.35	Light yellow or golden yellow transparent spherical particles	≥95 0.45-1.25	42-48	1.07-1.10	0.67-0.73	≥90	Cl ⁻ -OH ⁻ ≤30	Cl-80 OH-60	1-14	Cl ⁻	
	201x7MB	Strongly basic styrene type anion exchange resin	-N ⁺ (CH ₃) ₃	≥3.5	≥1.35	Light yellow or golden yellow transparent spherical particles	≥95 0.40-0.90	42-48	1.07-1.10	0.67-0.73	≥90	Cl ⁻ -OH ⁻ ≤30	Cl-80 OH-60	1-14	Cl ⁻	
	D201	Macroporous strongly basic styrene type anion exchange resin	-N ⁺ (CH ₃) ₃	≥3.7	≥1.2	Milky white or light grey opaque spherical particles	≥95	50-60	1.06-1.10	0.67-0.73	≥90	Cl ⁻ -OH ⁻ ≤20	80	1-14	Cl ⁻	
	D201FC	Macroporous strongly basic styrene type anion exchange resin	-N ⁺ (CH ₃) ₃	≥3.7	≥1.2	Milky white or light grey opaque spherical particles	≥95 0.45-1.25	50-60	1.06-1.10	0.65-0.73	≥90	Cl ⁻ -OH ⁻ ≤20	80	1-14	Cl ⁻	Preparation of ultrapure water, purification of condensation water, wastewater treatment, heavy metals recycling, separation of biological pharmacy and purification of sugar.
	D201MB	Macroporous strongly basic styrene type anion exchange resin	-N ⁺ (CH ₃) ₃	≥3.7	≥1.2	Milky white or light grey opaque spherical particles	≥95 0.40-0.90	50-60	1.06-1.10	0.65-0.73	≥90	Cl ⁻ -OH ⁻ ≤20	80	1-14	Cl ⁻	
	D202	Macroporous strongly basic styrene type anion exchange resin	-N ⁺ (CH ₃) ₂ C ₂ H ₄ OH	≥3.4	≥1.2	Milky white or light grey opaque spherical particles	≥95	47-57	1.07-1.12	0.68-0.74	≥90	Cl ⁻ -OH ⁻ ≤20	40	1-14	Cl ⁻	
	D301	Macroporous weakly basic styrene type anion exchange resin	-N ⁺ (CH ₃) ₃ H ₂ O	≥4.8	≥1.45	Milky white or light yellow opaque spherical particles	≥95	48-58	1.03-1.06	0.65-0.72	≥90	Cl ⁻ -OH ⁻ ≤28	OH 100 Cl 40	1-10	Free amine	
Weak Base Anion Exchange Resin Series	D301FC	Macroporous weakly basic styrene type anion exchange resin	-N ⁺ (CH ₃) ₃ H ₂ O	≥4.8	≥1.45	Milky white or light yellow opaque spherical particles	≥95 0.45-1.25	48-58	1.03-1.06	0.65-0.72	≥90	Cl ⁻ -OH ⁻ ≤30	OH 100 Cl 40	1-10	Free amine	Preparation of pure water and ultrapure water, wastewater treatment, sugar decolorization and chromium-containing wastewater treatment.

Cross Reference Chart

HIGER	Bayer	Mitsubishi	Dow	Purolite	Resin	Ion	Rohm & Haas		Russian
		Diaion	Dowex		Tech	Plus	Amberlite	Duolite	Standard
Cation Resin									
001×7	S100LF		HCR-S(E)S	C100E		CA-10	SR1L		KY-2-8
001×7MB				C100EDL					
001×7H				C100H					
001×8	S100	SK1B	HCR-S(E)	C100	CG-8	CA-12	IR-120	C-20	KY-2-8
001×10	S110	SK110	HGR-W2/C10	C100X10	CG-10		IR-122	C-20X10	KY-2-8 Φ C Д
D001	SP112	PK216	MSC-1	C150	SAC MP	CA-14	IR 252/200	C-26S	KY-23
D001MB				C150DL					
D001TR				C150TL					
D113	CNP-80	WK-40	MWC-1	C104E	WAC MP	CA-15	IRC-76/84/86		KB-4
Anion Resin									
201×4	M504/510	SA 12A	SBR-P	A400	SBG 1P	AN-20	IRA402/420	A-113	AB-17-8 Ч C
201×7	M500/511	SA 10A	SBR	A600	SBG 1	AN-21	IRA400	A-109	AB-17-8
201×7MB				A600DL					
202- II	M600/610	SA 20A	SAR	A300	SBG2		IRA410	A102/104	
D201	MP500	PA 308/312	MSA-1	A500	SBMP 1	AN-23	IRA900	A-161	AB-17-10 II
D201MB				A500DL					
D201TR				A500TL					
D202- II	MP600	PA412/416	MSA-2	A510			IRA910	A-162	
D301	MP-62		66	A100			IRA94	A-329S	



HEBI HIGER CHEMICAL TECHNOLOGY CO., LTD.

ADD: JIJIASHAN CHEMICAL INDUSTRIAL ZONE, HEBI CITY, HENAN PROVINCE, CHINA.

TEL: +86-392-3296888

FAX: +86-392-2566666

WEB: www.chemresin.com

EMAIL: info@chemresin.com