



BENGBU TIANXING ION-RESIN CO.,LTD

Built in 1998, dedicated to ion exchange resin for above 20 years

Certificated by ISO9001:2015

Approved by Potable Water Safety Product Certification

One of the largest ion exchange resin production lines in China

Covers an area of 81,000 m², with more than 160 employees

Has 350 m² of high-standard independent laboratory

The annual sales volume is 25,000 M³

Core products have been registered a number of patents

Complete range of cation & anion resin

Mixed bed resin

Macro-porous adsorption resin

Special chelating resin





Built in 1998, dedicated to ion exchange resin for above 20 years



Strict quality control and ISO9001:2015 certified



350 m² independent lab with professional R&D team



CERTIFICATES



ISO9001:2015



Health and Safety Product Certification



National honor awarded for professional ion exchange resin manufacturer



Patents Certificates

MAIN APPLICATIONS



Industrial water treatment: Water softening, desalination, de-alkalization, pure and ultra-pure water manufacturing, etc.



Potable water treatment: Water softening, desalination, dealkalization, pure and ultra-pure water manufacturing, removal of various contaminants, etc.



Macro-electronics and semiconductor Industry- Ultra-pure water manufacturing.



API & Pharmaceutical industry: Used in the process of API manufacturing, antibiotics and biochemical drug separation, extraction, purification. Demineralization(resistance to organic pollution).



Wastewater treatment: Heavy metal removal, organic waste water treatment, fluorine removal, arsenic removal, boron removal, ammonia& nitrogen removal, etc.



Petroleum industry: Deal with phenol alkylation, MTBE Production, TAME Production, etherification, aromatic alkylation, phenol purification, etc.

CATION EXCHANGE RESIN (GEL TYPE)

Tianxing Model	Type	Ionic Form	Moisture (%)	Volume Capacity (mmol/ml)	Bulk density (g/ml)	Particle Size (%)	Remarks
001 X 7	Strong Acid Poly-styrene	Na ⁺	45-50	≥1.9	0.77-0.87	0.315-1.25mm≥95	Gel type. Widely used in softening and deionization of water
001 X 7 MB	Strong Acid Poly-styrene	Na ⁺	45-50	≥1.8	0.78-0.88	0.5-1.25mm≥95	Gel type. Suitable for pure water preparation in mixed bed
001 X 7 FC	Strong Acid Poly-styrene	Na ⁺	45-50	≥1.9	0.78-0.88	0.45-1.25mm≥95	Gel type. Suitable for floating beds operating for high flow rates
001 X 7 H	Strong Acid Poly-styrene	H ⁺	51-56	≥1.8	0.73-0.80	0.315-1.25mm≥95	Gel type. Suitable for softening and deionization of water. Also widely used in extraction of monosodium glutamate, amino acid, and antibiotics
001 X 8	Strong Acid Poly-styrene	Na ⁺	42-50	≥2.0	0.78-0.88	0.315-1.25mm≥95	Gel type. Suitable for softening and deionization of water. Also widely used in hydrometallurgy, extraction of monosodium glutamate, amino acid, and antibiotics
001 X 8 MB	Strong Acid Poly-styrene	Na ⁺	42-50	≥2.0	0.78-0.88	0.55-1.25mm≥95	Gel type. Suitable for pure water and ultra-pure water preparation in mixed bed
001 X 8 FC	Strong Acid Poly-styrene	Na ⁺	42-50	≥2.0	0.78-0.88	0.45-1.25mm≥95	Gel type. Suitable for pure water and ultra-pure water preparation in floating bed
001 X 10	Strong Acid Poly-styrene	Na ⁺	37-42	≥2.2	0.80-0.88	0.315-1.25mm≥95	Gel type. Suitable for softening and deionization of water and other liquids, and extraction of antibiotics
001 X 10 H	Strong Acid Poly-styrene	H ⁺	43-59	≥2.0	0.78-0.83	0.315-1.25mm≥95	Gel type. Antibiotic extraction and medicine purification
001 X 16	Strong Acid Poly-styrene	Na ⁺	26-36	≥2.4	0.83-0.89	0.315-1.25mm≥95	Gel type. Antibiotic extraction and medicine purification

CATION EXCHANGE RESIN (MACRO-POROUS TYPE)

Tianxing Model	Type	Ionic Form	Moisture (%)	Volume Capacity (mmol/ml)	Bulk density (g/ml)	Particle Size (%)	Remarks
D113	Weak Acid Poly-acrylic	H ⁺	45-52	≥4.2	0.74-0.80	0.315-1.25mm≥95	Widely used in industrial water treatment, especially the removal of bicarbonate, carbonate and other alkaline salt, also can be used for zinc, nickel waste recycling, separation and purification of biochemical drugs
D152	Weak Acid Poly-acrylic	Na ⁺	60-80	≥9.0	0.75-0.85	0.315-1.25mm≥95	Mainly for exaction and separation the following medicines: streptomycin and myxobacterium sulfate, etc.
CD-180(HD-2)	Weak Acid Poly-acrylic	Na ⁺	60-80	≥9.5	0.70-0.80	0.200-0.600mm≥90	For exaction and separation the following medicines: amikacin, sisomicin, tobramycin and such aminoglycosides antibiotics

ANION EXCHANGE RESIN (GEL TYPE)

Tianxing Model	Type	Ionic Form	Moisture (%)	Volume Capacity (mmol/ml)	Bulk density (g/ml)	Particle Size (%)	Remarks
201 X 4	Strong Base Poly-styrene	CL ⁻	50-56	≥1.25	0.65-0.72	0.315-1.25mm≥95	With good kinetic properties and high working exchange capacity, it is used for water demineralization and silicon removal, and is also widely used in the food and pharmaceutical industry
201 X 4 FC	Strong Base Poly-styrene	CL ⁻	50-56	≥1.20	0.63-0.72	0.45-1.25mm≥95	It is suitable for floating bed, widely used for water demineralization and silicon removal, and is also used in the food and pharmaceutical industry
201 X 7	Strong Base Poly-styrene	CL ⁻	42-48	≥1.35	0.67-0.73	0.315-1.25mm≥95	It has high total exchange capacity and good mechanical strength Widely used in water demineralization treatment
201 X 7 OH	Strong Base Poly-styrene	OH ⁻	53-58	≥1.15	0.66-0.71	0.315-1.25mm≥95	It has high total exchange capacity and good mechanical strength Widely used in water demineralization treatment
201 X 7 FC	Strong Base Poly-styrene	CL ⁻	42-48	≥1.35	0.67-0.73	0.45-1.25mm≥95	It is suitable for floating bed. Widely used in water demineralization treatment
201 X 7 MB	Strong Base Poly-styrene	CL ⁻	42-48	≥1.35	0.67-0.73	0.40-.090mm≥95	It is suitable for mixed bed. Widely used in water demineralization treatment

RESIN IN POTABLE WATER GRADE WQA(NSF/ANSI 44, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372)

Tianxing Model	Type	Ionic Form	Moisture (%)	Volume Capacity (mmol/ml)	Bulk density (g/ml)	Particle Size (%)	Remarks
TX-001*7	Strong Acid Poly-styrene	Na ⁺	50-55	≥1.8	0.77-0.87	0.315-1.25mm≥95	Gel type in potable water grade. Widely used in potable water or beverage softening and deionization
TX-001*7PW	Strong Acid Poly-styrene	Na ⁺	45-50	≥1.9	0.77-0.87	0.315-1.25mm≥95	Gel type in potable water grade. Widely used in potable water or beverage softening and deionization
TX-001*8PW	Strong Acid Poly-styrene	Na ⁺	42-50	≥2.0	0.78-0.88	0.315-1.25mm≥95	Gel type in potable water grade. Widely used in potable water or beverage softening and deionization
TX-001*10PW	Strong Acid Poly-styrene	Na ⁺	37-42	≥2.2	0.80-0.88	0.315-1.25mm≥95	Gel type in potable water grade. Widely used in potable water or beverage softening and deionization
TX-001NS	Strong Acid Poly-styrene	Na ⁺	45-50	≥1.9	0.77-0.87	0.315-1.25mm≥95	Gel type, solvent free resin in potable water grade. Widely used in potable water or beverage softening and deionization
TX-D113PW	Weak Acid Poly-acrylic	H ⁺	45-52	≥4.2	0.74-0.80	0.315-1.25mm≥95	Macro-porous type in potable water grade. Widely used in potable water or beverage softening and deionization
TX-D113NS	Weak Acid Poly-acrylic	H ⁺	45-52	≥4.2	0.74-0.80	0.315-1.25mm≥95	Macro-porous type, solvent free in potable water grade. Widely used in potable water or beverage softening and deionization

MIXED BED POLISHING RESIN

Tianxing Model	Ionic Ratio	Ionic Form	Output Water Resistivity (Min.)	Bulk density (g/ml)	Particle Size (%)	Remarks
TX-EMB 18	Anion: Cation 3:2 (Anion/Cation 1:1 and 2:1 are also available)	99% H ⁺ /95%OH ⁻	18 MΩ·cm	0.68-0.78	0.40-1.25mm≥95	Widely used Semiconductor, LCD/OLED, photovoltaic solar panels, pharmaceutical industry, medical and aerospace fields, laboratories, hospitals, etc.

SPECIAL RESIN

Product Name	Tianxing Model	Moisture (%)	Adsorption Ability	Bulk density (g/ml)	Particle Size (%)	Remarks
Fluorine removal resin	TX-DeF	44-54	Fluoride adsorption ≥15 g/L-R	0.72-0.82	0.315-1.25mm≥90	Suitable for treating acidic fluorine-containing wastewater. Widely used in mine water, deep well water, semiconductor, electroplating, photovoltaic, coal chemical industry
Organic wastewater treatment resin	TX-DeW5	50-60	Working phenol absorption ≥100mg/ml	0.65-0.75	0.50-1.25mm≥95	Can absorb and recycle: Phenols, Aniline, Benzyl alcohol, benzyl alcohol, benzaldehyde, toluene, xylene, naphthol, organic acids
Heavy metal removal resin	TX-D401	52-60	Volume exchange capacity ≥0.6 (cupric ion)	0.70-0.80	0.315-1.25mm≥90	Deep removal and recycling of nickel in electroplating wastewater, copper recycling in PCB waste water, ternary battery cobalt and nickel recovery, copper cycling from copper foil wastewater, metallurgical wastewater removal of copper, nickel and zinc, etc
Amino nitrogen removal resin	TX-DeN	43-48	Amino nitrogen after treatment < 0.5ppm	0.78-0.88	0.315-1.25mm≥95	Deep treatment of ammonia nitrogen in the water produced from landfill leachate, evaporation of condensate, coal mine water, battery electronics industry, domestic sewage, aquaculture, chemical wastewater and potable water, etc
Wasted gas vocs treatment resin	TX-H108	50-60	Adsorption to Vocs ≥ 99%	0.65-0.75	0.50-1.25mm≥95	Widely used in treatment of chemical waste gas, pharmaceutical waste gas, pesticide waste gas, rubber leather, fermentation and other industries waste gas resource management and recovery
Boron removal resin	TX-DeB	45-55	Adsorption to boron ≥ 5 (g/l)	0.66-0.75	0.315-1.25mm≥95	Widely used in seawater desalination, pure water and ultra-pure water, potable water, purification of magnesium oxide and agriculture irrigation water, etc.
Arsenic removal resin	TX-DeAs	44-54	Arsenic content after treatment ≤0.01 ppm(mg/L)	0.72-0.82	0.315-1.25mm≥90	Widely used in wastewater treatment in chemical industry, etc.

Tianxing	Purolite	Resin Tech	Rohm&hass Amberlite	Rohm&hass Duolite	Dow Dowex	Lewatit	Bayer	Mitsubish Diaion	Sybron	Trilite
001*7										KC-07
TX-001NS						C249NS				
TX-001*7PW	C100E	CGS			HCR-S/S					
TX-001*8PW			SR1L Na			S1567				
001*8H	C100H	CG8-H	IR120 H		HCR-S(H)					
001*8	C100	CG8	IRC120 Na	C-20	HCR-S(E)	S100	S108	SK1B	C-249/C-298	KC-08
001*8MB	C100MB				HCR-W2					
001*10	C100*10	CG-10	IR122 Na	C-20*10		S108	S220	SK110		
001*16							S216	SK116		
TX-EMB18	MB400		MB20 H/OH							
D001	C150	SAC MP	AMB252	C-26S	MSC		SP112	PK216	CFP110	
D113	C104	WACG	IRC76CRF H	WK-40/20	MAC-3	CNP-80		WK60L	CCP	
201*4	A400									
201*7	A600	SBG1	IRA400	A-109	SBR-P		M500/M511	SA10A	ASB-1	
D301	A103SPPLUS									
D201	A502PS				MSA-1-C					
HP 20								HP 20		



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