

Product Center

Ion Exchange Resin

Industrial grade : produced strictly according to national standards, and must be treated according to pre-treatment methods before being put into use.
Food grade : After strict production process, it can be directly applied to the food industry.
Nuclear level : Strictly pretreated according to special processes, it can be directly used in nuclear power plants.

Macroporous Adsorption Resin

Industrial grade : produced strictly according to national standards, and must be treated according to pre-treatment methods before being put into use.
Premium grade : After simple pre-treatment, industrial products can be directly used.
Net grade (pharmaceutical grade) : After special processing, it can be directly applied to the pharmaceutical industry.

Resin Particle Size

Conventional particle size : overall range is 16x50 mesh
Big ball series : overall range is 10x20 mesh
Small ball series : overall range is 30x60 mesh
Microsphere series : overall range is 100x400 mesh
Uniform Ball Series : The overall range is around 28 mesh

Strong Acid Cation Exchange Resins

Normal Resin : cross-linking 7% and 8%, mainly used for water treatment, water softening, and desalination.
Medium high cross-linked gel resin: cross-linking 10-16%, high strength, mainly used in the extraction of various antibiotics.

Model	Main Application
001×2	Extraction of macromolecular antibiotic, pharmaceutical and chemical industry, etc.
001×4	Designed especially for small scale domestic softening. Potable water grade.
001×7	Softening and demineralization resin,widely used in industrial and domestic applications. Potable water grade.
001×8	Primary softening and demineralizationresin.
001×10	Excellent resistance to oxidation. Higherdensity cation resin offering good separation from anion resins in mixed bedapplications and weak acid cation resins inlayered beds.
001×12	Desalination, antibiotic extraction.
001×16	
D001	Macroporous structure offers high resistance to OSA. Employed in areas of very difficult operating conditions such ascondensate treatment and processapplications.
D002	Pharmaceutical separation
001NS	Solvent-free resin

Weak Acid Cation Exchange Resins

Gel weak acid: desalting, drug extraction.
Macroporous weak acid: water treatment, desalination.

Model	Main Application
D113	High capacity regenerable dealkalization resin with good exchange kinetics.
118	Dealkalization, softening, and desalination treatment of industrial water. Heavy metal wastewater treatment, recovery of nickel, cobalt, copper, zinc, cadmium, etc.Acid alkali wastewater treatment. Recycle useful substances from wastewater containing chlorine (amine) and other substances. It is used for the extraction and purification of streptomycin, cytochrome C, urokinase and lysomycin. Used for desalination of sugar solution in the sugar industry.
D152	Higher resistance to OSA. For process applications, such as antibiotics extraction from fermentation broths and treatment of ammoniacal condensates.
CD180	Used for extracting and separating aminoglycoside antibiotics such as amikacin, sisomicin, and tobramycin.
122	Phenolic resin, used for decolorization.
D115	Very weakly acidic for process applications especially in the pharmaceutical industry.Recommended for the "CARIX" process.

Strong Base Anion Exchange Resins

Low cross-linked gel anion resin: cross-linking 1-4%, mainly used for the extraction of various antibiotics and the adsorption of organic acids.
 Normal resin: cross-linking 5% and 7%, mainly used for water treatment, water softening, and desalination.
 Macroporous styrene resin: mainly used for desalination and decolorization of water.
 Acrylic resin: High pollution resistance, mainly used for decolorization in the sugar industry.

Model	Main Application
201×2	Antibiotic refining, etc.
201×4	Water treatment and wastewater treatment, recovery of precious metals, purification and separation of antibiotic.
201×7	Premium grade resin with high total capacity and high breaking weight. Very low silica leakage.
201×8	Mainly used for pure water preparation, wastewater treatment, biochemical products, and extraction of tungsten and molybdenum in hydrometallurgy.
202	Premium grade high capacity resin offering good silica removal. Primarily used in the production of demineralized and dealkalized water.
213	Most widely used resin for the demineralization of high organio bearing waters, offering the best resistance to organic fouling. Higher operating capacity than type 1 polystyrenic resins, while still offering very good silica leakage in co-flow and counter-flow regeneration.
D201	Mainly used for the preparation and coagulation purification of pure and high-purity water, as well as for wastewater treatment and heavy metal recovery.
D202	Macroporous version of 202×4 offering better resistance to OSA and organic fouling due to its polymer structure.
D213	Acrylic based organic scavenger resin used to reduce NOM (Natural Organic Matter) color levels and fouling of downstream anion resins. Also supplied as D213 for potable water and food applications. Better suited to brine-only regeneration than D380.
D219	Organic cleaning agent, desalination, and removal of silicic acid blockage.
D220	Special resin for nitrate removal
D230	Remove perchlorate specific resins, polyfluoroalkane based substances (PFAS).



Weak Base Anion Exchange Resins

Tertiary amine anion resin: water treatment, desalination and decolorization, hydrometallurgical extraction of gold and silver, electroplating wastewater treatment.
 Primary amine resin: extracted by Streptomycin.
 Acrylic anion resin: mainly used for desalination and decolorization of citric acid and sugars.

Model	Main Application
D301	Most widely used WBA in IWT due to its good resistance to organic fouling and high operating capacity.
D301G	Hydrometallurgy, extracting gold from ore slurry.
D370	Water treatment, electroplating chromium containing wastewater treatment, good pollution resistance.
310	Mainly used for drug extraction, sugar removal and decolorization, water treatment, and citric acid extraction.
D311	Very high exchange capacity polyamine resin developed for special applications such as desulphatation of seawater.
D941	Mainly used for decolorization of citric acid, stevia sugar, and vitamin C, widely used in the food industry.
330	It is mainly used for removing inorganic acid and extracting in the refining of citric acid, streptomycin, malic acid, amino acid, etc. Organic acids and decolorization, removal of Cl ⁻ and SO ₂ ⁻ plasma in water treatment, and recovery of copper and silver ions.
D380	Macroporous version of 201×5 offering greater resistance to OSA. Mainly used in condensate polishing or make-up mixed beds, where its polymer structure helps in resisting organic fouling.



Adsorption Resins

- | Special adsorption resin for blood perfusion
- | Phenol containing wastewater adsorption resin
- | Antibiotic extraction adsorption resin
- | Fruit juice decolorization adsorption resin
- | Adsorption resins for natural extraction
- | Organic wastewater adsorption resin

Model	Main Application
D101	Broad spectrum adsorption resin. Suitable for adsorption of various saponins, flavonoids, etc. Used for Stevia adsorption.
AB-8	
AD101	Broad spectrum adsorption resin. Suitable for adsorption of various saponins, flavonoids, etc. Used for Stevia adsorption.
AD-8	
H103	Ginkgo biloba extrac
DM130	Ginkgo biloba extrac
X-5	Antibiotics and Chinese herbal medicine were isolated and extracted. Organic wastewater treatment. Preparation of stationary phase, enrichment of trace elements, removal of medium molecular substances from blood of uremic patients, etc.
AD300	Antibiotics were extracted and separated to remove phenols, chlorides, pesticides, etc.
AD4	Removal and recovery of volatile substances, wastewater treatment of small molecule (< 200D) pollutants.
AD16	General purpose resin, recovery and purification of medium molecular (< 1000D) substances, water-soluble steroids, natural product enzymes, amino acids and proteins, and wastewater treatment of medium molecular pollutants.
AD18	Recovery and purification of general medium molecular substances, natural products, water-soluble steroids, enzymes, amino acids and proteins.
AD20	Remove high-grade fatty acids and turbidity in wine.



Catalytic Resins

Organic reaction catalytic resin: mainly used for MTBE production.
Dry catalytic resin: solid acid, mainly used for anhydrous catalytic reaction.
High temperature resistant catalytic resin: a catalyst mainly used for hydration of olefins to prepare fatty alcohols.

Model	Main Application
CA1500D	Biodiesel purification
CA1220	Bisphenol A
CA1500	Ether catalysis
CA1600	Alkylation
CA1700	Excellent accessibility of active sites. Studied and developed for the synthesis of MTBE, ETBE and TAME.
CA2700	MTBE

Chelating Resins

Amino phosphoric acid type resin: Ion exchange membrane caustic soda, preparation of secondary brine, hydrometallurgy, etc.
Iminodiacetic acid resin: it has high selectivity for multivalent metal ions and is used for the separation and purification of metals.
Thiourea resin: used for the adsorption of precious metal ions.
Amidoxime type resin: a special resin for adsorbing gallium in aluminum ore solution.

Model	Main Application
CH500	For base metals recovery from weak acid solutions.Suitable for RIP process. 800-1300 μm grading.
CH510	Highly selective for low atomic weight metals. Also used in purification of brine where lower strontium levels are encountered in chlor-alkali plants.
CH520	Selective removal of boron from potable water and water used inagriculture/ horticulture irrigation.
CH530	High selectivity and high capacity for mercury removal in wastewaters. Widely used for final polishing to meet mercury discharge limits. Selectiveremoval of precious metals(gold, platinum, palladium, etc) from acidicsolutions. Non-regenerable use.
CH540	Arsenic removal
CH550	Gallium extraction
CH560	Defluorination

Mixed Bed Resins

Mixed bed resin: used to reduce the hardness, alkalinity, and anions and cations in water, turning it into softened water and deionized water. It has extremely high regeneration efficiency, extremely low impurity content, strong exchange ability, and high mechanical strength. It can be widely used in the preparation of high-purity water in the electronic industry; Laboratory high-purity water; High purity water for high-performance liquid chromatography; Radioactive material handling; Medicines; Semiconductor industry; Terminal mixed bed for condensate refining and various other water treatment processes.

Model	Main Application
MX900	For the production of high-purity, silica-free demineralized water. Principal use in polishing units after small iEX or RO plants. Also used in direct treatment of rawwaters. High operating capacity, achieving conductivities less than 0.1µS/cm in many polishing applications. MB400 is the most popular ready to use industrial grade mixed bed.
MX900IND	Discoloration mixed bed
MX910	Wire cutting, slow wire walking.
MX990	Nuclear grade resin, nuclear power plant.

Hydrometallurgy Resins

Higher extraction efficiency and economy. It can adsorb and enrich metal ions from dilute solutions, and has different selectivity for mixed metal ions, making it particularly suitable for extracting and separating metals from ore slurry. At the same time, it plays a crucial role in separating metals with similar performance. Advantages: The total recovery of valuable metals in raw materials is high, which is beneficial for environmental protection.

Model	Main Application
D301G	Adsorption of gold in hydrometallurgy industry
D311	Very high exchange capacity polyamine resin developed for special applications such as desulphatation of seawater.
CH530	High selectivity and high capacity for mercury removal in wastewaters. Widely used for final polishing to meet mercury discharge limits. Selective removal of precious metals (gold, platinum, palladium, etc) from acidic solutions. Non-regenerable use.
CH550	Gallium extraction
D201U	Uranium extraction
201W	Tungsten extraction

Special Resins

Resin synthesized by a special process with unique chemical structure and properties. Suitable for specific industries, specific water quality, and selective removal of target extracts. It has ultra-high exchange capacity and high stability for the target extract.

Model	Main Application
Chromatographic cation resin	50 mesh -100 mesh, 100 mesh -200 mesh, 200 mesh -400 mesh. Medication Separation.
Chromatographic anion resin	50 mesh -100 mesh, 80 mesh -120 mesh. Medication Separation.
OIL100	Oil water separation, emulsified oil separation.
Amphoteric resin	Strong acid and strong base type, metal ion separation.
WB100	Used to provide mechanical lubrication, reduce torque and resistance, prevent casing wear.
IND01	Cation resin with indicator
IND02	
IND21	Anion resin with indicator

