



For: High purity water / Precious metal recovery Recirculated rinses / Waste treatment Heavy metal removal

MIXED BED RESIN

FOR MAKE-UP WATER AND RECIRCULATED RINSES **Mixedbed resin** is designed for use in a single column or multiple columns in series to provide water to a 20,000 ohm endpoint (25 ppm). Average quality less than 0.1 ppm prior to breakthrough. Use to demineralize make-up water such as for plating and EDM.

When used in recirculating rinses, the estimated capacity per cu. ft. is 470,000 divided by the MMHOS or 235,000 divided by ppm TDS.

When regenerated and reused, the capacity will only be 50 to 70% of the virgin resin.

DESCRIPTION	TYPE	PART NO. *
Mixed bed resin	MB400	O-1328
Mixed bed resin w/indicator dye	MB400IND	O-1328D

Specially blended resin for pure recirculation of EDM systems. Provides maximum capacity for metallic ions. Not recommended for raw make-up water. Requires monitoring with a conductivity meter.

Specially blended resin for EDM recirc. systems	MB378	O-1306
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ANION RESINS

For gold and silver recovery from rinse water.

Can hold as much as 120 ounces per cu. ft., but is typically used up to only 50 to 75% of capacity.

Silver photographic solutions can be regenerated in a two-step operation using dilute sulfuric acid and a tap water rinse which causes the silver to precipitate in the resin. After up to 10 cycles the silver is recovered by incineration.

Resin for acid gold recovery and silver recovery from photographic solution	A600	O-1322
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An anion resin in the OH⁻ form, maintains a high pH and helps prevent formation of hydrogen cyanide gas. Capacity for gold is 100 ounces per cu. ft. maximum. This anion resin is also used in two-step demineralization systems with the cation resin in the hydrogen form.

Resin for alkaline gold or silver recovery	A600OH	O-1316
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CATION RESINS

Supplied in the sodium form, will remove heavy metals from rinse waters for discharge. It will also remove calcium and

DESCRIPTION	TYPE	PART NO. *
Sodium form	C100E	O-1375

magnesium which will reduce its capacity for copper, nickel, trivalent chromium. We suggest the use of softened rinse water. Same function as the sodium form, but the discharge will be acidic. The cation resin in the hydrogen form is used with the anion resin in the OH⁻ form (A600-OH) in two-step demineralization processes.

Hydrogen form	C100H	O-1376
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SPECIFIC ION RESINS

Specific ion resins have the capacity to remove specific types of metals from waste streams in the presence of other ions that would normally exhaust the resin. This ability allows the treatment of much larger volumes than with ordinary non-specific resins. Consult the Sales Department for specific details.

Heavy metals removal copper, nickel, chrome, zinc, lead as cations at pH's 5 and below.	S930	O-1307
Precious metal removal from acid streams including aqua regia at pH 0-6, non-regenerable. Also for mercury removal as cation or anion	S920	O-1309
Heavy metal removal from waste streams.	S950	O-1310

* Price per cubic foot.

Consult Sales Department for quantity pricing and special packaging.

To order .5 cu. ft. bag - add **.5B** to Part No.

To order .9 cu. ft. bag - add **.9B** to Part No.

