

Demineralization Resin

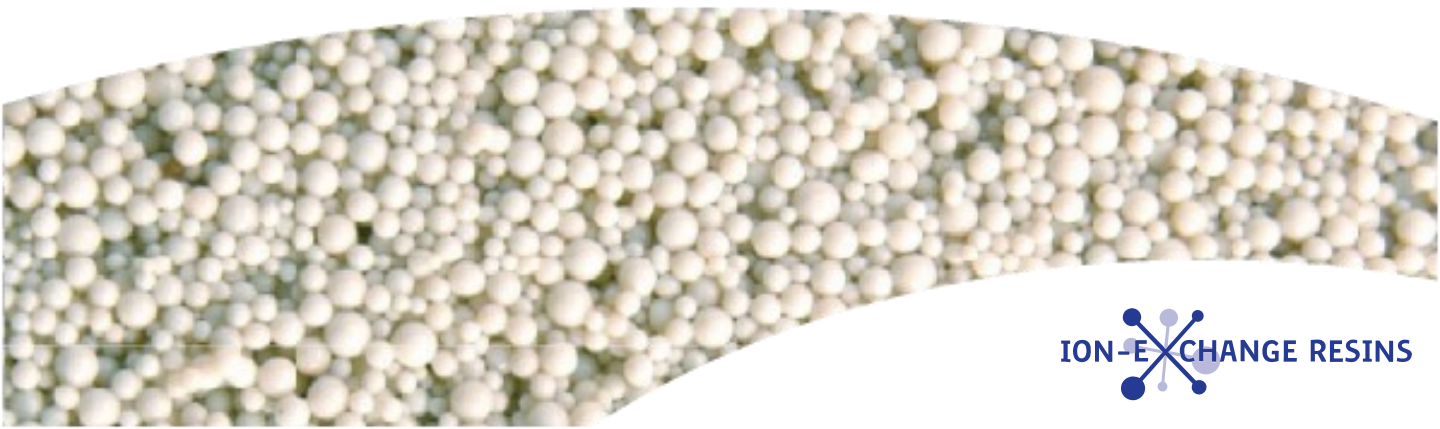
For Mixed Beds

DOSHION DMB 14 is ready to use mixed bed resin for purification of water of the highest quality. It is suitable for use in regenerable or non-regenerable columns or in large ion exchange units. Passage of water at recommended flow rates through the resin, can achieve almost complete reduction of total dissolved solids.

Key Characteristics of DMB 14 :

- High physical stability
- Ideal for Demineralisation of water
- Ideal for getting very low Silica Treated water to be used in high pressure boilers and manufacturing of Silicon chips.

Properties		
Type of Ion Exchange Resin	Strong Acid Cation	Strong Base Anion Type – 1
Matrix	Gel Polystyrene Cross linked with Divinylbenzene	Gel Polystyrene Cross linked with Divinylbenzene
Functional group	Sulfonic Acid	Quaternary Ammonium Type – 1
Volumetric Ratio %	50	50
Ionic Form	H ⁺	OH ⁻
Physical Form	Hard moist beads	
Particle Size (mm)	0.30 – 1.20	
Moisture Content %	53 – 60	
Total exchange capacity eq/ltr (min.)	1.8	1.0
Bulk Density or Shipping Weight gms/ltr	730-830	
Operating pH range	0-14	
Solubility in common solvents	Insoluble	
Operating Temperature °C (max)	60 °C	
Cationic Form (min.) %	99	
Anionic Form (min.) OH ⁻ %	90	
Anionic Form (max.) Cl ⁻ %	3	



Full Range of Ion Exchange Resins

Cation Exchange Resin	Anion Exchange Resin	DM Resin
CSA 121	GA 11	DMB 13
CSA 121 - FG	GA 11 UPS	DMB 13 UPS
CSA 9	GA 12	DMB 13 S
CSA 9 UPS	GA 13	
CSA 9 - FG	GA 13 UPS	
CSA 9 L	ASB 108	
CSA 9 L Na - FG	ASB 171	
CSA 29	ASB 8010 D	
CSA 29 UPS	ASB 8010 D UPS	
CSA 609 D	ASB 8020 D	
CWA 63	AWB 7020 D	
CWA 92 D	AWB 7030 D	
CSA 309	AWB 7050 D	
	AWB 7050 D UPS	
	GA 711	
Special Application Ion Exchange Resin		
DCHR 74	CGC 1200	DBR 108
DCHR 78	CMC 1900	FRC 10
DIRM	CMC 2400	ASB 108 H UPS
DCR 11	DAAR 85	GA 13 H UPS
DMB 10	DAAR 312	CWS 66 D
DMB 11	DAAR 313	IPSR 550
DMB 13 S	DAAR 412	

doshion®
Translating Source Into Resource

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