

### RESINA CATIONICA FORTE PER ADDOLCIMENTO

Resina cationica per addolcimento food grade. Struttura polimerica gelulare stirolica. Rimuove durezza da calcio e magnesio scambiandola con ioni sodio. Rigenerabile con cloruro di sodio.

La capacità di scambio dipende largamente dalla quantità di sale utilizzato durante la rigenerazione.

Resine equivalenti:

- Dowex HCRS/S
- Purolite C100E;
- Rhom and Haas: SR1L Na
- Bayer Levatit S100LF



Codice	Conf./lt
RE-CS	25

#### Scheda tecnica

Polymer Matrix Structure	Styrene Crosslinked with DVB
Physical Form and Appearance	Clear spherical beads
Whole Bead Count	95% min.
Ionic Form ,as shipped	Na
Shipping Weight (approx.)	810 g/l (51 lb/ft3)
Particle Size Range	+1.2 mm <5%, -0.3 mm <1%
Moisture Retention, Na <sup>+</sup> form	45-50%
Swelling Na <sup>+</sup> @ H <sup>+</sup>	10% max.
Ca <sup>2+</sup> @Na <sup>+</sup>	5% max.
Total Exchange Capacity, Na <sup>+</sup> form, wet, volumetric	1.90 eq/l min.
Operating Temperature, Na <sup>+</sup> Form	150°C (300°F) max.
pH Range, Stability	0 - 14
Minimum Bed Depth	0.6m
Backwash Rate	25 to 50% Bed Expansion
Regenerant Flow Rate	4 to 12 BV/h (0.5 to 1.5gpm/cu.ft.)
Regenerant Contact Time	At least 30 minutes
Regenerant Level	112 -300g/lt
Service Flow Rate	10-25m/h (2 to 10 gpm/cu.ft.)

### RESINA CATIONICA FORTE PER DEMINERALIZZAZIONE

Resina cationica forte per demineralizzazione, dealcalizzazione ed addolcimento. Struttura polimerica gelulare stirolica, alto coefficiente di uniformità

Resine equivalenti:

- Dowex MarathonC
- Purolite C100H;
- Rhom and Haas: IR120
- Bayer: Levatit S100H Monoplus

RE-CD	25
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#### Scheda tecnica

Polymer Matrix Structure	Styrene Crosslinked with DVB
Physical Form and Appearance	Clear spherical beads
Whole Bead Count	95% min.
Ionic Form, as shipped	Na
Total Exchange Capacity, Na <sup>+</sup> form, wet, volumetric	2.0 eq/l min.
Moisture Retention, Na <sup>+</sup> form	43-48%
Particle Size Range	0.50mm-0.71mm >95%
Uniformity Coefficient	1.15
Swelling Na <sup>+</sup> @ H <sup>+</sup>	10% max.
PH Range, Stability	0 - 14
Minimum Bed Depth	0.6m(24inches)
Backwash Rate	25 to 50% Bed Expansion
Regenerant Concentration Hydrogen Cycle	6% HCl or 4 to 8%H2SO4
Regenerant Flow Rate	4 to 12 BV/h
Regenerant Contact Time	At least 30 minutes
Regenerant Level	112 -300g/L
Service Flow Rate	10-25m/h

## RESINE A SCAMBIO IONICO

### RESINA ANIONICA PER DEMINERALIZZAZIONE

Resina anionica forte gelulare Tipo 1, ad alto coefficiente di uniformità. Idonea per impianti di demineralizzazione anche a letto misto.

Resine equivalenti:

- Dowex Marathon A, SBR-P;
- Purolite A 400;
- Rhom and Haas: IRA 420;
- Bayer: Levatit M 500 Monoplus.



Codice	Conf./lt
RE-AD	25

#### Scheda tecnica

Polymer Matrix Structure	Styrene Crosslinked with DVB
Physical Form and Appearance	Clear spherical beads
Total Exchange Capacity, CL <sup>-</sup> form, wet, volum.	1.3 eq/l min.
Moisture Retention, CL <sup>-</sup> form	48-58%
Particle Size Range	0.50mm-0.71mm >95%
Uniformity Coefficient	1.15
Swelling CL <sup>-</sup> @ OH <sup>-</sup>	20-30%
PH Range, Stability	0 - 14
Minimum Bed Depth	0.6m(24inches)
Backwash Rate	50 to 75% Bed Expansion
Regenerant Concentration	2 -6%
Regenerant Flow Rate	2 to 8 BV/h (0.25 to 1.0gpm/cu/ft.)
Regenerant Contact Time	At least 40 minutes
Regenerant Level	112 -300g/L (4 to 10 pounds/ cu/ft.)
Service Flow Rate	10-25m/h (2 to 10 gpm/cu/ft.)

### RESINA ANIONICA SELETTIVA PER NITRATI

Resina anionica forte macroporosa food grade idonea per la rimozione selettiva dei nitrati anche in presenza di alte concentrazioni di solfati. Di conseguenza si ha una maggiore purezza dell'acqua trattata ed una elevata resa ciclica.

Resine equivalenti:

- Purolite A 520E;
- Rhom and Haas: IP555.

RE-AN	25
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#### Scheda tecnica

Physical Form and Appearance	Milky white, Clear spherical beads
Ionic Form ,as shipped	CL
Volume Exchange Capacity (mmol/ml)	0,8
Total Exchange Capacity (mmol/g)	3,00
Water Retention (%)	50-60
Shipping Weight (g/ml)	0.65-0.75
True (Wet) Density (g/ml)	1.05-1.10
PH Range, Stability	4,5 - 8,5
Operating temperature (max)	60°C

### RESINA A LETTO MISTO

Resine a letto misto rigenerabili pronte all'uso. Idonee per la produzione di acqua ultra pura con valori inferiori a 0,1 us/cm..

Resine equivalenti:

- Dowex MB50;
- Purolite MB46, MB47;
- Rhom and Haas: MB20;
- Bayer: Levatit SM94.

RE-MB	25
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#### Scheda tecnica

Scheda tecnica	OH <sup>-</sup> Form	H <sup>+</sup> Form
	Polymer Matrix Structure	Gel PolyStyrene Crosslinked with DVB
Functional Group	Quaternary Amine	Sulfonic acid
Volume ratio	1.1 parts	0.9 part
Total Exchange Capacity, min. eq/l	1,25	1,80
Water Retention Capacity %	53-58	45-50
Particle Size Distribution		
>1.25 mm max.%	5	5
<0.40 mm, max %	2	2
Whole Bead Count, min. %	95	95
Moisture Content as shipped, max	65%	
PH Range, Stability	0-14	
Shipping weight (approx.)	700-780 g/l	
Ionic conversion, min. %	90	99