

Ions exchange resin

Résine CH23 sélective métaux cation faible macroporeux groupe chélatant forme Na



IONS EXCHANGE RESIN

RÉSINE SELECTIVE MÉTAUX CATION FAIBLE PRETE A L'EMPLOI

- CH23 ion exchange resin, ready-to-use and regenerable, of low macroporous cation type with chelating group.
- High purity resin offering high mechanical strength
- Selective resin specially developed for extraction cationic heavy metals in order of affinity following:
Cu - Va - U - Pb - Ni - Zn - Cd - Fe - Be - Mg - Sr - Ba - Na



PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical aspect and appearance	Milk color spherical beads
Maxtrix	macroporous - Styrene-DVB
Functional group	Iminodiacetic acid
Ionic form as shipped	NA+ form
Maximum particle size	0.42 to 1.25 mm
Coefficient of uniformity	1.60 max
Actual density	1.20 g/ml
Shipping weight	750 g/L
Water retention	50 to 60 %
Total exchange capacity (H+ form)	2.20 eq/L
Temperature stability	90°C
pH stability	pH 0 to 14

CONDITIONING

Bag of 25 liters.

CH-23 Resin

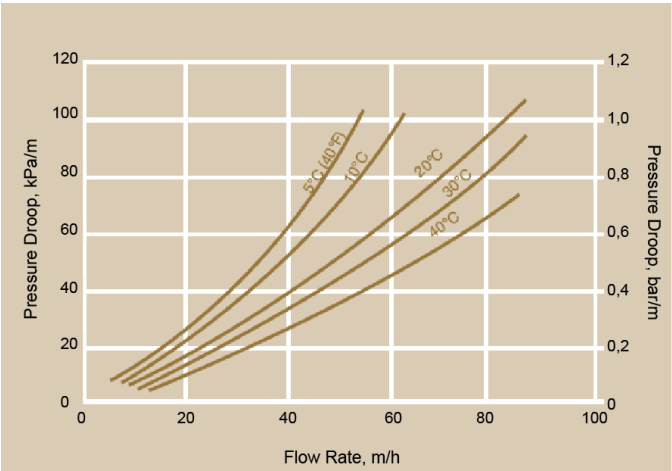
OPERATIVE CONDITIONS

Minimum height resin bed	1000 mm
Service rate	15 to 45 BV/h
Backwash expansion	50 à 75%

STANDARD REGENERATION PARAMETERS

	HCl	H2SO4
Reactive concentration	7.5% NaOH	10%
Regeneration rate	145g/l	215g/l
Regeneration flow	5 m/h	5 m/h
Rinse flow	5 m/h	5 m/h
Backwash expansion	60% min	60% min
Backwash flow	10 m/h	10 m/h

Pressure loss



Expansion of the resin bed

