

Ions exchanging resin

Résine de déminéralisation anion fort type 1
macroporeux AP OH (forme OH-)



IONS EXCHANGING RESIN

RÉSINE DE DEMINERALISATION ANION FORT PRETE A L'EMPLOI

- Ready-to-use and regenerable ion exchange resin of macroporous type 1 strong anion type..
- High purity resin offering high resistance to osmotic shock, attrition and organic "fouling".
- Its remarkable physical properties allow it to work at high speed for the treatment of condensates for example.

The AP OH resin is particularly suitable for modern counter-current demineralization system (i.e. Schwebbett, UP-CORE...) and mixed beds.



PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical aspect and appearance	Opaque spherical balls
Matrix	macroporous - Styrène-DVB
Functional group	Quaternary amine type 1
Ionic form as shipped	OH- form
Maximum particle size	0.425 to 1.25 mm
Uniformity coefficient	1.60 max
Actual density	1.08 g/ml
Shipping weight	680 g/L
Water retention	50 to 60 %
Total exchange capacity (Cl- form)	1.15 eq/L
Total volume variation(Cl- ->OH-)	20 %
Temperature stability	60°C
pH stability	pH 0 à 14

CONDITIONING

Bag of 25 liters.

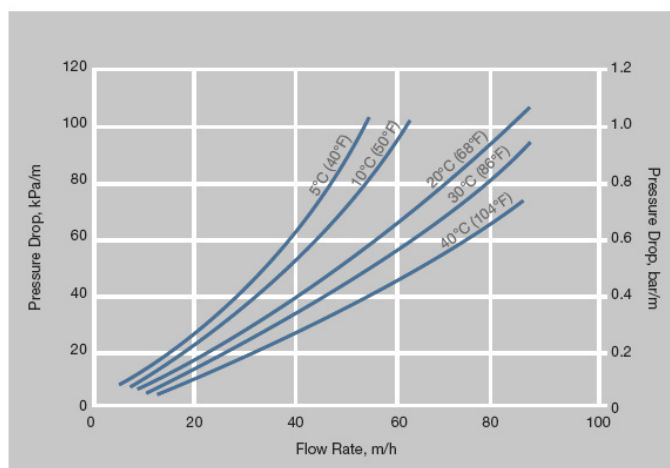
OPERATIVE CONDITIONS

Minimum height resin bed	700 mm
Service rate	8 to 55 BV/h
Backwash expansion	50 à 75%

STANDARD REGENERATION PARAMETERS

	Co-current	Counterflow
Reactive concentration	4% NaOH	2% NaOH
Regeneration rate	60 to 150 g/l	50 to 80 g/l
Regeneration flow	4 to 6 Bv/h	6-8 Bv/h
Contact time with regenerant	30 to 60 min	20 to 40 min
Slow rinse rate	4 to 6 Bv/h	6 to 8 Bv/h
Volume of slow rinse water	2 à 4 Bv	2 Bv
Fast rinse rate	10 to 30 Bv/h	10 to 30 Bv/h
Volume of quick rinse water	6 to 10 Bv	6 to 10 Bv

Perte de charge



Expansion of the resin bed in backwash

