

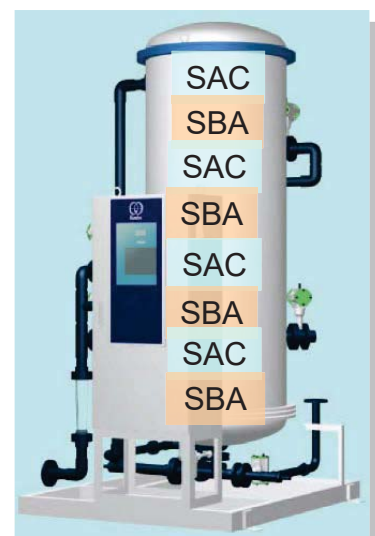
Typical Types of IER (for water treatment)

		Gel Type	Porous Type (MCC only)	Highly Porous Type
CER Cation Exchange Resins	SAC Strongly Acidic Cation	SK1B UBK08	PK216	
	WAC Weakly Acidic Cation		WK40L	
AER Anion Exchange Resins	SBA Type I Strongly Basic Anion	SA10A, SA12A UBA100, UBA120	PA312	
	SBA Type II Strongly Basic Anion	SA20A UBA200	PA418	
	WBA Weakly Basic Anion			WA30

System of Water Treatment

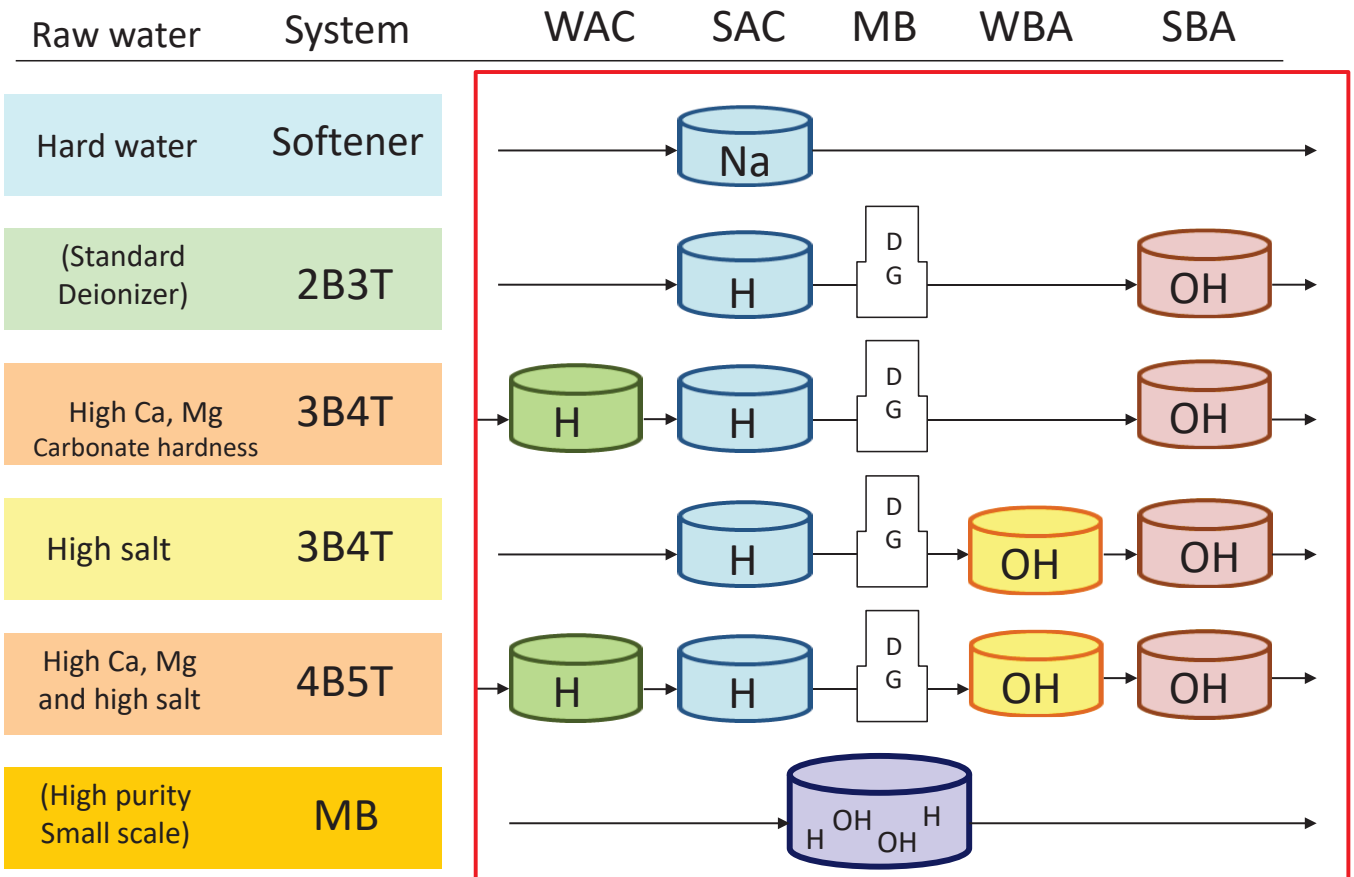


2 Beds 3 Towers (2B3T)



Mix Bed (MB)

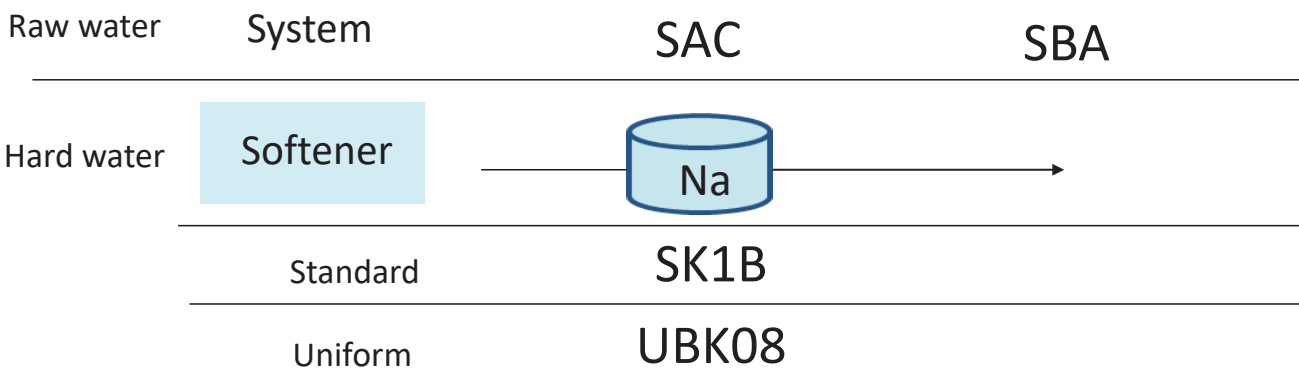
System of Water Treatment



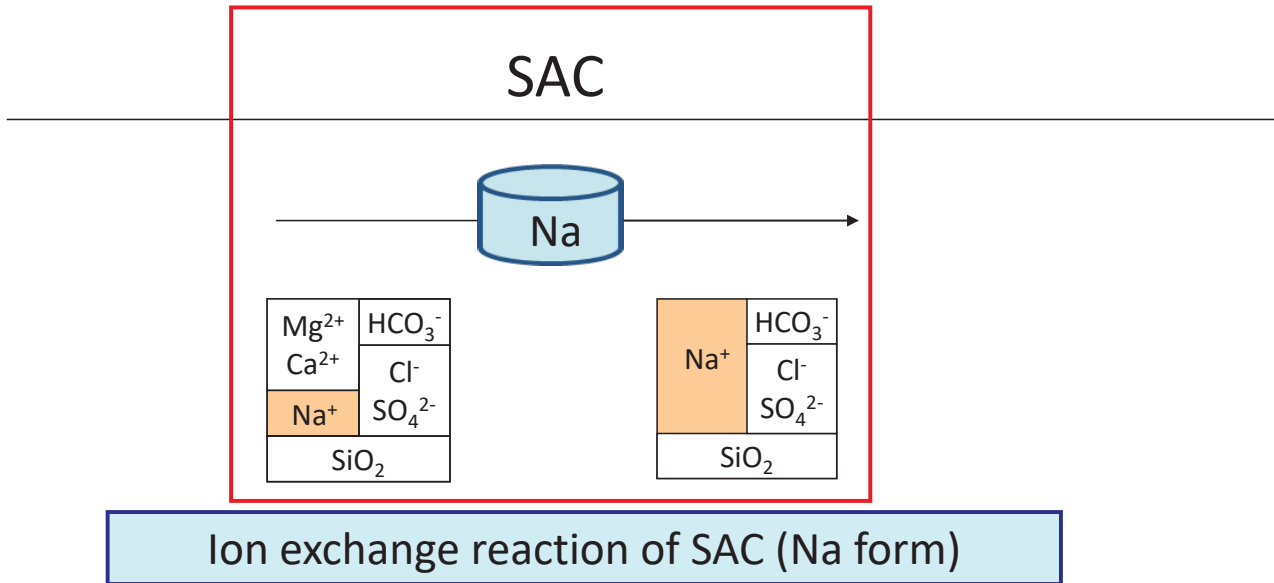
2B3T: 2 Beds 3 Towers, MB: Mix Bed, DG: Degasifier H and OH: Ionic form

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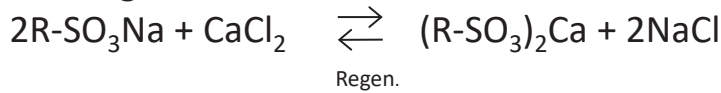
DIAION™ for Softener



Cation Exchange Reaction (e.g. Softener)



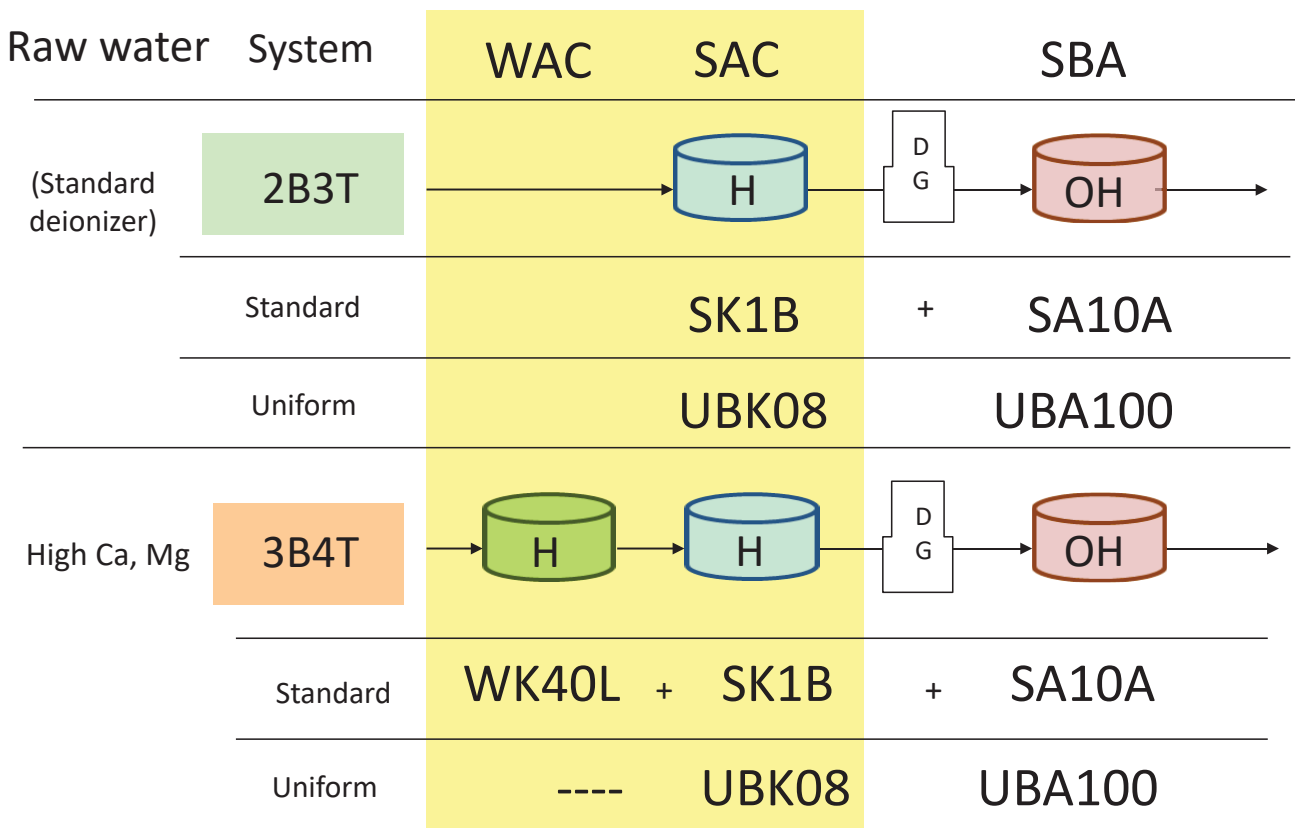
<Softening>



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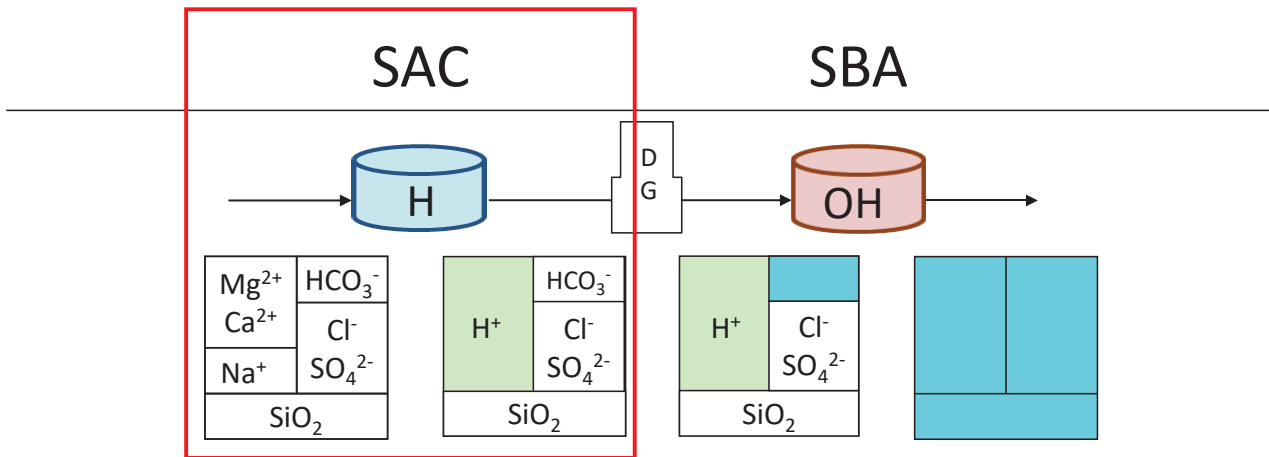
DIAION™ for 2B3T, 3B4T



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Cation Exchange Reaction (e.g. 2B3T)



Ion exchange reaction of SAC

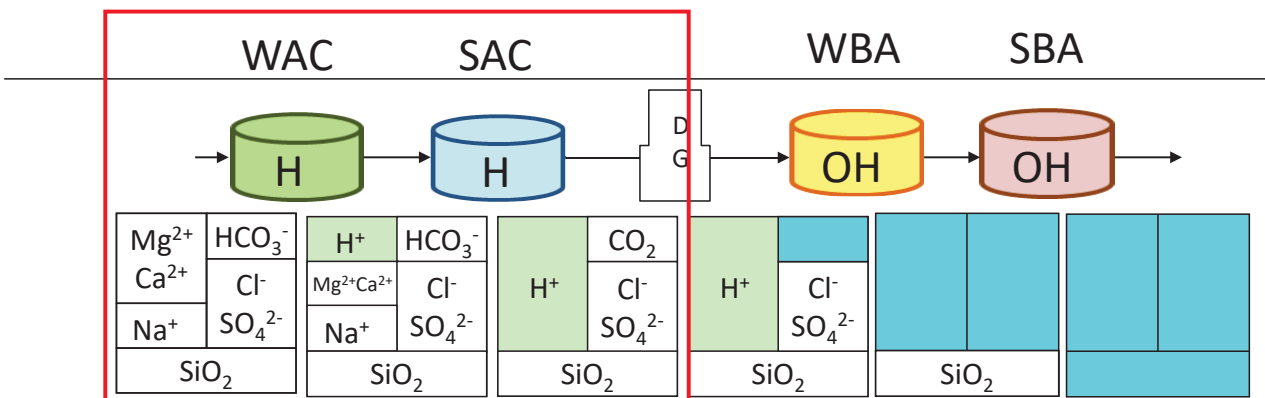
<Salt Splitting>



<Softening>



Cation Exchange Reaction (e.g. 3B4T, 4B5T)

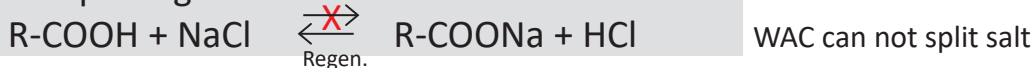


Ion exchange reaction of WAC

<Softening>



<Salt Splitting>

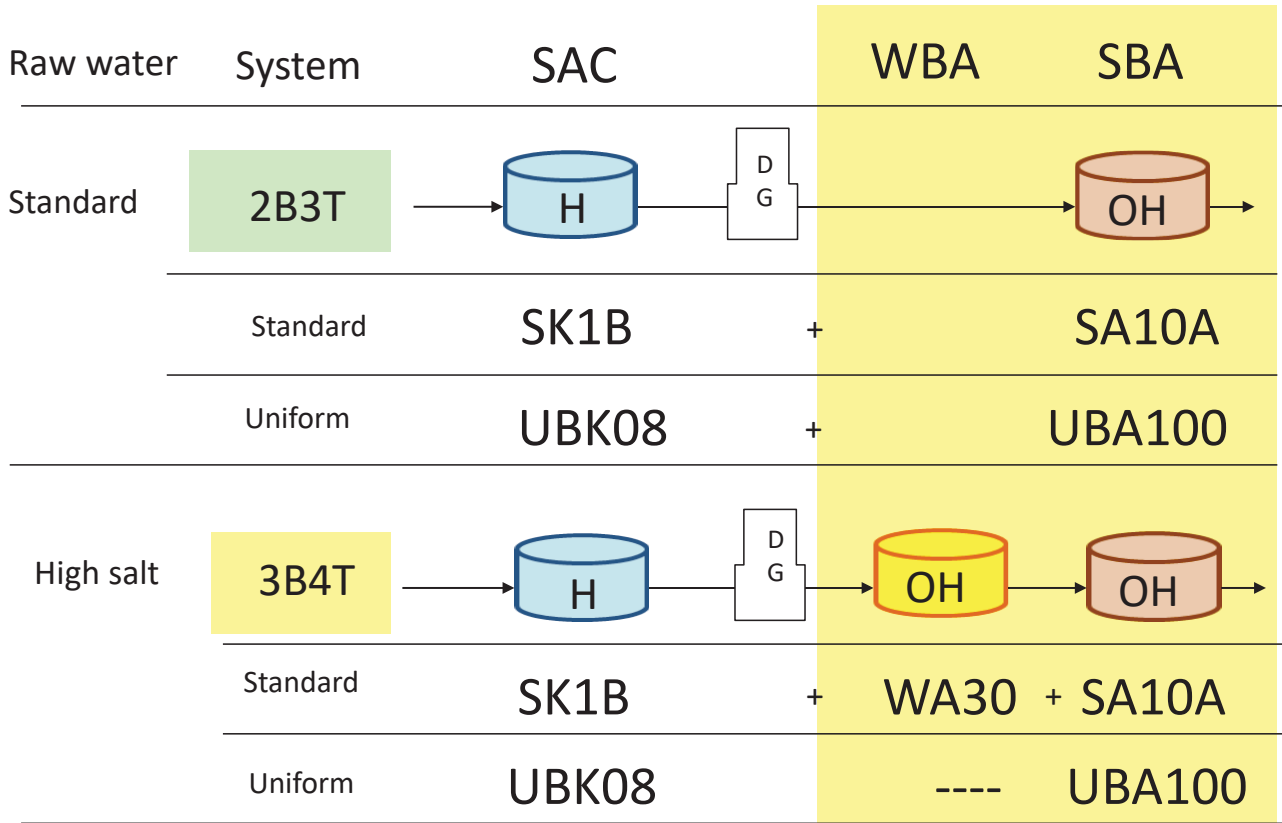


Ion exchange reaction of SAC

<Salt Splitting>



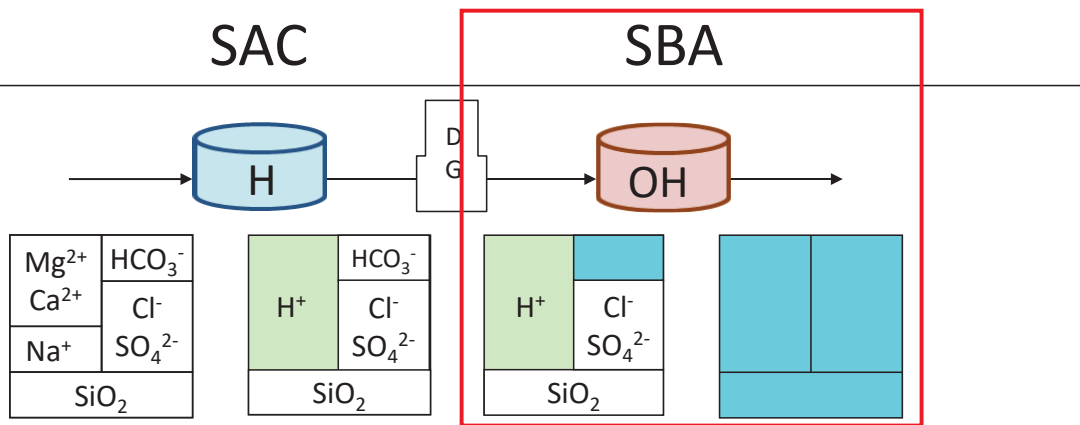
DIAION™ for 2B3T, 3B4T



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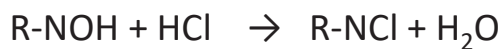
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Anion Exchange Reaction (ex. 2B3T)

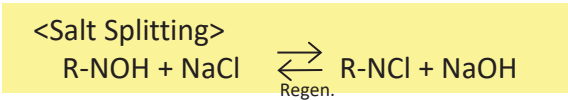
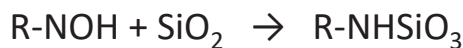


Ion exchange reaction of SBA

<Neutralization>



<Silica removal>



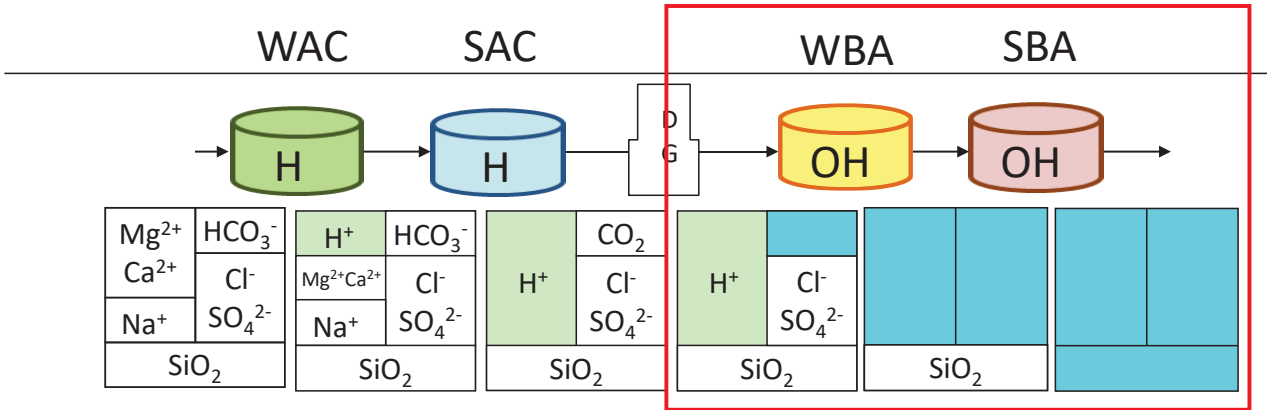
SBA can split salt



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Anion Exchange Reaction (e.g. 3B4T, 4B5T)



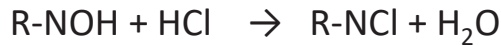
Ion exchange reaction of WBA

<Salt Splitting>



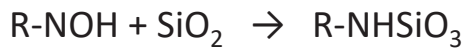
WBA can not split salt

<Neutralization>



Ion exchange reaction of SBA

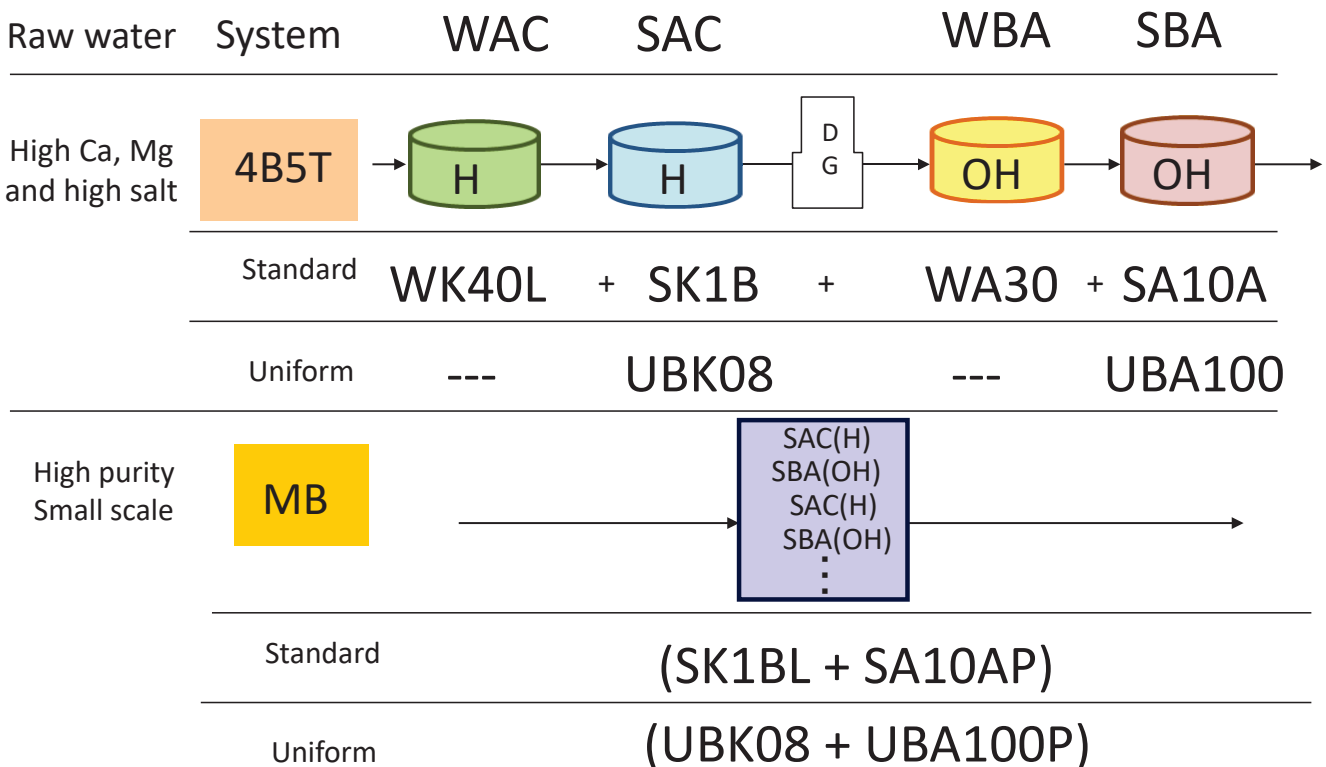
<Silica removal>



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DIAION™ for 4B5T & MB



P: Anti-clumping

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