Resintech Inc.

Anion Exchange Resins

PRODUCT	TYPE	IONIC FORM	APPROX SHIP WT *lbs/cu.ft.*	SCREEN SIZE *US mesh percent*	WATER RETENTION *percent*	TOTAL CAPACITY *meq/ml (kgr./cu.ft.)*	MAXIMUM TEMP. *Degrees F.*	TOTAL REVERSIBLE SWELLING *percent*	RECOMMENDED USES
SBG1	Strong Base Gel Type 1	Cl	44	+16 <2 -50 <1	43- 47	1.45 (31.7)	170	Cl to OH 18- 22	Standard gel Type 1 anion resin for use in condensate deionization and single use mixed beds. Has the highest *total* capacity of Type 1 gel anion resins. Superior physical strength and resistance to oxidation.
SBG1- OH	Strong Base Gel Type 1	OH	42	+16 <2 -50 <1	53- 60	1.2 (26.2)	140	—	Standard gel Type 1 anion resin supplied in the OH form for use in condensate deionization or single use mixed beds (radwaste), cartridges or single use separate beds (anion complexed metals).
SBG1P	Strong Base Gel Type 1 Porous	Cl	43	+16 <2 -50 <1	51- 57	1.25 (27.3)	170	Cl to OH 20- 27	Porous gel Type 1 anion resin, superior kinetics to SBG1, for use in deionization and mixed beds. Has the highest regenerable *operating* capacity of the Type 1 anion resins. Especially recommended for regenerable systems. Good resistance to organic fouling.
SBG1P-OH	Strong Base Gel Type 1 Porous	OH	41	+16 <2 -50 <1	65- 70	1.0 (21.9)	140	—	
SBG2	Strong Base Gel Type 2	Cl	44	+16 <2 -50 <1	38- 44	1.45 (31.7)	170	Cl to OH 10- 15	Standard gel Type 2 anion resin, featuring very high capacity and regeneration efficiency. Greater resistance to organics than Type 1 resins. Excellent for two bed service. Its good regeneration efficiency and high capacity can help minimize caustic consumption and save on operating costs.
SBG2- OH	Strong Base Gel Type 2	OH	42	+16 <2 -50 <1	43- 50	1.3 (28.4)	95	—	
SBMP1	Strong Base Type 1 Macro	Cl	42	+16 <2 -50 <1	50- 60	1.15 (25.1)	170	Cl to OH 15- 20	Type 1 macroporous anion resin featuring high exchange capacity, porous gel matrix and superior elution of large organic molecules. Also offered in hydroxide form for immediate use.
SBMP1-OH	Strong Base Type 1 Macro	OH	40	+16 <2 -50 <1	64- 73	.95 (20.8)	140	—	
SBMP2	Strong Base Type 2 Macro	Cl	43	+16 <2 -50 <1	52- 58	1.2 (26.2)	170	Cl to OH 10- 15	Type 2 macroporous anion resin featuring high exchange capacity and superior elution of large organic molecules. Suitable for high salt content waters. Also offered in hydroxide form for immediate use.
SBMP2-OH	Strong Base Type 2 Macro	OH	41	+16 <2 -50 <1	62- 71	1.0 (21.9)	140	—	
SBACR1	Strong Base Gel (Acrylic)	Cl	45	+16 <2 -50 <1	57- 62	1.2 (26.2)	95	Cl to OH 10- 15	Acrylic structure allows operating capacity and fouling resistance in applications with a high level of organics. This resin should not be used when service water temp exceeds 85 degrees F.
SBACR2	Strong Base Gel (Acrylic)	Cl FB	43	+16 <2 -50 <1	57- 63	1.4 (30.6)	95	—	Acrylic resin containing a mixture of strongly basic and weakly

									basic exchange groups. High total capacity and resistance to organic fouling.
WBG30	Weak Base (Epoxy Polyamine)	Cl FB	38	+16 <2 -50 <1	52- 62	3.0 (65.6)	110	FB to Cl 5	High capacity granular intermediate base resin for use in applications requiring extremely high throughput capacity or nearly 100 percent regeneration efficiency.
WBMP	Weak Base Macroporous	Free Base	40	+16 <2 -50 <1	48- 54	1.6 (35.0)	212	FB to Cl 10- 15	Macroporous weakly basic anion resin, with excellent physical strength and high throughput capacity. Nearly 100 percent regeneration efficiency and high resistance to organic fouling.
WBACR1	Weak Base (Acrylic)	Free Base	44	+16 <2 -50 <1	60- 65	1.7 (37.2)	250	FB to Cl 10- 15	Weakly basic acrylic resin with high total capacity, throughput capacity and regeneration efficiency. Organic substances sorbed during service are easily removed during regeneration.