MAXZOFT
ION EXCHANGE RESIN

MZ120NA

Maxzoft, MZ120NA is a sodium from 8% crosslinked gel strong acid cation resin. MZ120NA is a coarse mesh resin withlow surface area and high void volume. Maxzoft, MZ120NA is intended for use in high flowrate applications where the lowestpossible pressure loss and highest possible flow rate is needed. MZ120NA is supplied in the sodium from.

FEATURES & BENEFITS

- HIGHLY UNIFORM COARSE PARTICLE SIZE
  16 to 30 mesh size provides low pressure drop in high flowrate applications and helps prevent suspended solids from restricting flow
- LOW CLOR THROW
- SUPERIOR PHYSICAL STABILITY
  93% plus sphericity and high crush strengths together with carefully controlled particle distribution provides long life and low pressure drop

1) Indexes of Physical and Chemical Properties:

Desingnation

Volum Exchange Capacity (meq/ml)	2.0 Min
Water Retention (%)	43-48
Bulk Density (g/ml)	0.78-0.88
Specific Density (g/ml)	1.26-1.30
Particle Size (0.4-1.25 mm)	95% Min
Effective Size (mm)	0.5-0.7 mm
Homogeneous Coefficient	1.70 Max
Roundness after Attrition (%)	90 Min
Appearance	Amber
Ionic Form Supplied	Sodium (Na)

2) Reference Indexes for Operation

PH Range	0-14;
Maximum Operation Temp (°C)	H^+: 100°C Max; Na^+: 120°C Max;
Total Reversible Swelling ($Na^+ \rightarrow H^+$, %)	5-8
Working Exchange Capacity (25)	1000 meq/l (wet) Min;
Concentration of Regenerate Solution	NaCI: 8-10%; HCI: 4-5%;
Consumption of Regenerate	NaCl: (8-10%) Vol.: Resin Vol. =1.5-2:1; HCI (4-5%) Vol.: Resin Vol. =2-3:1;
Flow Rate of Regenerate Solution (m/hr)	4-6
Regenerate Contact time (minute)	30-60
Rinse Flow Rate (m/hr)	10-20
Rinse Time (minute)	30 (approx.)
Operating Flow Rate (m/hr)	10-45

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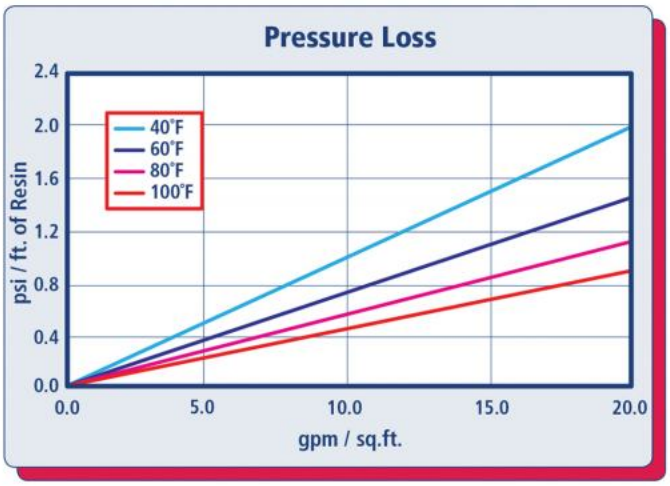
3) Packing:

Each PE bag, net weigh: 25L or 1000L;

4) Application

International gel type standard. Suitable for softening and demineralization.
Used also in amion acids antibiotics.

HYDRAULIC PROPERTIES



PRESSURE LOSS

The graph above shows the expected pressure loss of Maxzoft MZ120NA per foot of bed depth as a function of flow rate at various temperatures.

BACKWASH

The graph above shows the expansion characteristics of Maxzoft MZ120NA as a function of flow rate at various temperatures.

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