

# Operating Temperature Guidelines

*Ion exchange resins should be used at optimal temperatures for best results. In particular when the operating temperature is too high, a degradation of exchange capacity will occur. Use the following charts to determine the maximum operating temperature for your resin type. These profiles will be affected by system variables such as the level of dissolved oxygen and the presence of catalytic metals on the resin. Therefore, we can only provide this information as guidelines and not fixed specifications.*

Contact us to discuss your specific circumstances if more detail is required.

## Strong Acid Cation Resins

Resin Type	Na-form Maximum	H-form maximum
8% Gel	125°C (260°F)	120°C (250°F)
10% Gel	135°C (275°F)	130°C (265°F)
Macroporous	150°C (300°F)	150°C (300°F)

## Strong Base Anion Resins

Resin Type	Cl-form Maximum	OH-form maximum
Type I	100°C (212°F)	60°C (140°F)
Type II	70°C (160°F)	35°C (95°F)
Acrylic	50°C (120°F)	35°C (95°F)

## Weak Functionality Resins

Resin Type	Maximum
Weak Base Anion	100°C (212°F)
Weak Acid Cation	40°C (100°F)

## Profile for Type I Strong Base Anion Resin

