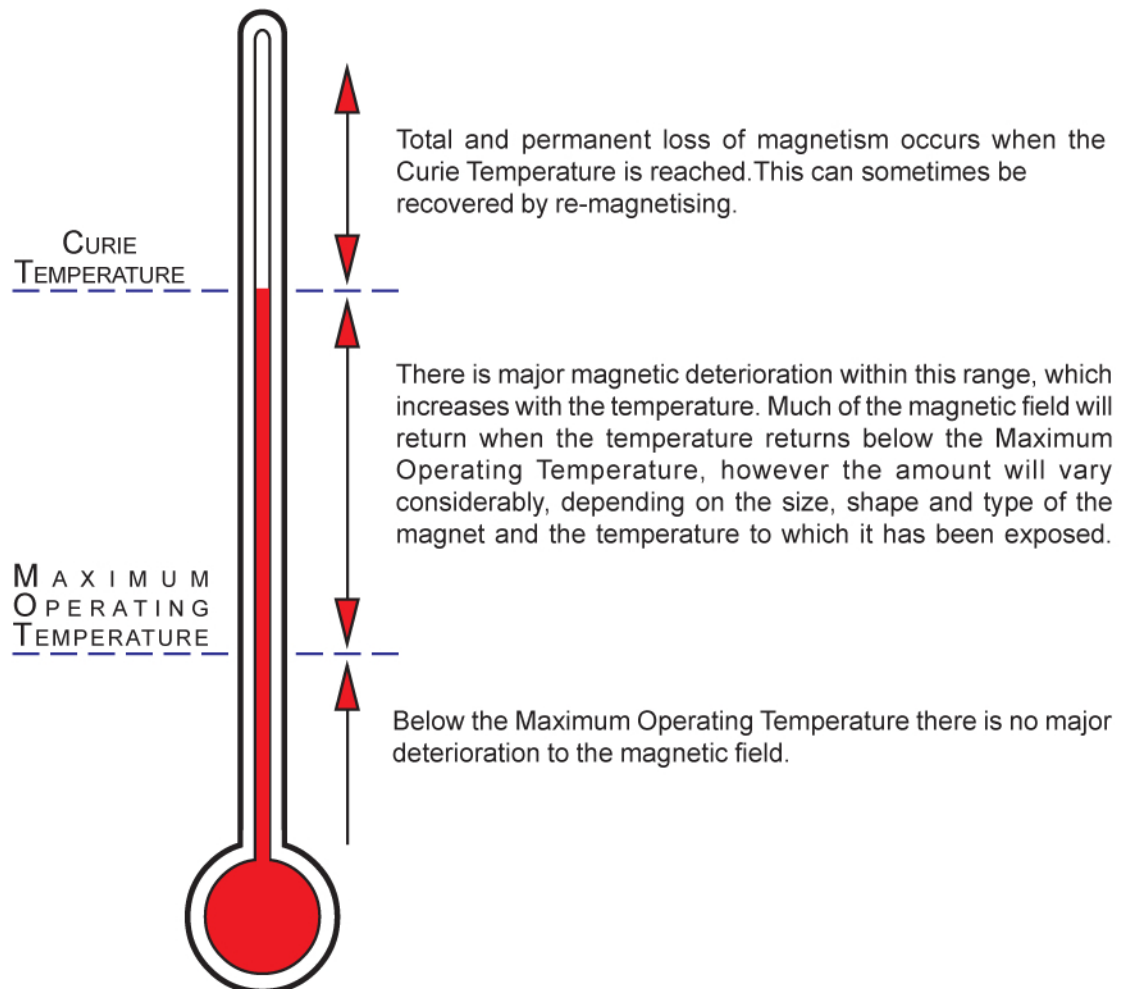


THE GENERAL EFFECTS OF HIGH TEMPERATURES ON MAGNETS



MAGNET TEMPERATURE COMPARISONS

| | NEODYMIUM IRON BORON (RARE EARTH) | FERRITE ISOTROPIC & ANISOTROPIC | ALNICO MAGNETS | SAMARIUM COBALT MAGNETS |
|-------------------------------------|---|---------------------------------------|--|--|
| MAXIMUM OPERATING TEMPERATURE | 80 DEGREES CELCIUS | 250 DEGREES CELCIUS | 550 DEGREES CELCIUS | 300 DEGREES CELCIUS |
| APPROXIMATE CURIE TEMPERATURE | 310 DEGREES CELCIUS | 450 DEGREES CELCIUS | 760 DEGREES CELCIUS | 800 DEGREES CELCIUS |
| MINIMUM OPERATING TEMPERATURE | 77 KELVIN (-196.15 DEGREES CELCIUS) | -60 DEGREES CELCIUS | 4 KELVIN (-269.15 DEGREES CELCIUS) | 4 KELVIN (-269.15 DEGREES CELCIUS) |