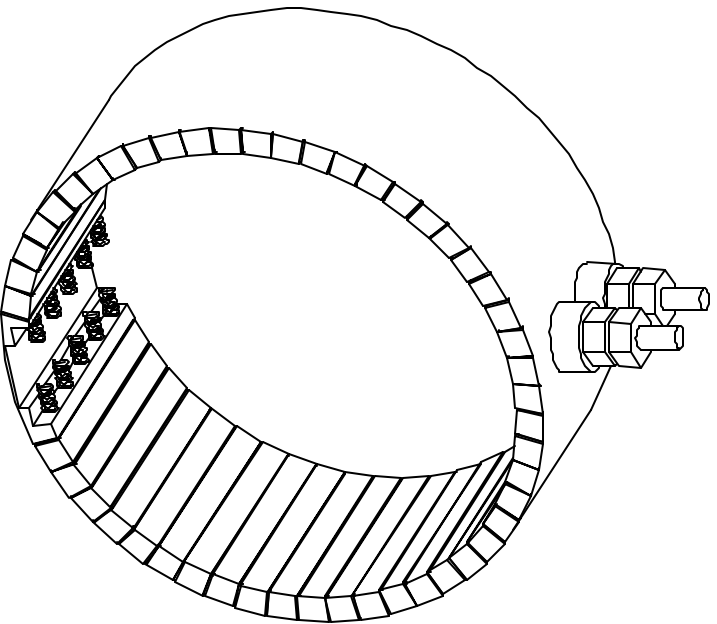


CERAMIC INSULATED BAND HEATERS



Megaflex ceramic heaters are medium-to-high temperature heaters that have 1200° F as a maximum working temperature. These durable heaters have built-in ceramic fiber jackets that make them energy efficient. Megaflex heaters are available with different terminal styles, are fully flexible, and can accommodate holes and cut-outs.

In a Megaflex heater, nickel-chrome wire is embedded in a flexible outer wall made of special, interlocking ceramic tiles, which are assembled like a brick wall. A ceramic fibre insulating mat and a stainless steel jacket cover this assembly. This construction prevents heat loss and reduces electrical consumption by 20 %. An energized Megaflex heater will have a temperature of 350° - 450° F on its outside shell when the inside temperature is maintained at 1200° F. To improve the conservation of energy, different thicknesses of ceramic fibre insulation mats are available. Heat is transferred from a ceramic heater to the surface of an application through conduction and radiation. This is why a tight grip on the cylinder is not as critical as in other types of heaters. Moreover, overtightening should be avoided, since the pressure on the insulation mat reduces its insulating efficiency. Megaflex heaters are made by using different combinations of ceramic tiles, which are available only in specific lengths. Consequently, the width of a Megaflex band falls within a certain incremental range. Megaflex ceramic band heaters can be manufactured with different clamping mechanisms, termination styles, holes and cut-outs.