

Welded End Disc  
for moisture and  
contamination protection

## High Density Cartridge Heater

Little higher costs good  
for higher temperatures  
and higher watt densities

Highly Compacted Magnesium Oxide  
for best heat transfer thus longest life

Resistance Wire  
wound very close to surface  
for best heat transfer  
thus longest life

Ceramic Core  
to wrap resistance  
wire to keep close to surface

Crimped End Disc  
not moisture resistant

## Low Density Cartridge Heater

More economical for  
lower temperatures and  
lower watt densities

Resistance Wire  
coil in center of heater  
longer less efficient heat transfer path

Loose Fill Magnesium Oxide  
less efficient heat transfer path

Ceramic Core  
holes in center for heater coil

