

COIL HEATER STANDARD TECHNICAL SPECIFICATION

Mini Coil w/ strap

heater sheath	Cr-Ni steel
insulation material	highly compressed MgO
heat conductor	NiCr 8020
sheath temperature	Max 1382 deg. F
high voltage stability	800 VAC
insulation resistance	$\geq 5M$ ohm at 500 -DC
leakage current	≤ 0.1 mA at 253V-AC
length tolerance	-.040"
wattage tolerance	$\pm 2\%$; $\pm 10\%$ also available
voltage	max 250
wattage	38.7 W/in ²
minimum bending radius	1/8"
thermocouple	Type J or K integrated
length of unheated zone	minimum 1", maximum 10"
standard connection	72" teflon to 500 deg. F

Flat and Round Mini Coil

heater sheath	Cr-Ni steel
insulation material	highly compressed MgO
heat conductor	NiCr 8020
sheath temperature	Max 1382 deg. F
high voltage stability	800 VAC
insulation resistance	$\geq 5M$ ohm at 500 -DC
leakage current	≤ 0.1 mA at 253V-AC
maximum total straight	118.11"
length tolerance	heated $\pm 2.5\%$; unheated $\pm 5\%$
wattage tolerance	$\pm 10\%$ (smaller on request)
voltage	max 250
wattage	38.7 W/in ²
minimum bending radius	1/8"
thermocouple	Type J or K integrated
length of unheated zone	minimum 1", maximum 10"
standard connection	72" teflon to 500 deg. F

Flat and Round Standard Coil Heater

heater sheath	Cr-Ni steel
insulation material	highly compressed MgO
heat conductor	NiCr 8020
sheath temperature	Max 1382 deg. F
high voltage stability	800 VAC
insulation resistance	$\geq 5M$ ohm at 500 -DC
leakage current	≤ 0.1 mA at 253V-AC
maximum total straight	118.11"
length tolerance	heated: $\pm 1\%$ Flat/ $\pm 2.5\%$ Round unheated: $\pm 2.5\%$ Flat/ $\pm 5\%$ Round
wattage tolerance	$\pm 10\%$ (smaller on request)
voltage	max 250
wattage	38.7 W/in ²
minimum bending radius	1/4"
thermocouple	inbuilt Type J or K
length of unheated zone	2.56" heater; 1" transition
standard connection	48" teflon leads

COIL HEATER TECHNICAL INFORMATION

Maxi Coil	heater sheath insulation material heat conductor sheath temperature high voltage stability insulation resistance leakage current maximum total straight length tolerance wattage tolerance voltage wattage minimum bending radius thermocouple length of unheated zone standard connection	Cr-Ni steel highly compressed MgO NiCr 8020 Max 1382 deg. F 1200 VAC $\geq 5M$ ohm at 500 -DC ≤ 0.1 mA at 253V-AC 118.11" $\pm 1\%$ $\pm 10\%$ (smaller on request) max 440 max 97 W/in ² 3/8" inbuilt Type J or K 2.56" heater; 1" transition 48" teflon leads
Coil in Brass	heater sheath insulation material heat conductor sheath temperature high voltage stability insulation resistance leakage current length tolerance wattage tolerance voltage wattage minimum bending radius thermocouple length of unheated zone standard connection I.D. tolerance	stainless steel & brass see internal heater information see internal heater information 1200 deg. F 800 VAC $\geq 5M$ ohm at 500 -DC ≤ 0.1 mA at 253V-AC ± 0.5 mm $\pm 10\%$ max 250 max 97 W/in ² n/a inbuilt Type J or K 2.56" heater; 1" transition 48" teflon leads +0.002