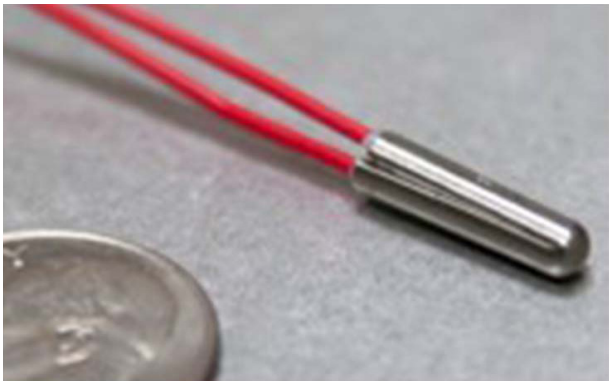
MINI CARTRIDGE HEATERS

Description

Split sheath cartridge heaters feature a unique new construction that eliminates the failure points of conventional miniature heaters. A continuous resistor is packed into the highest density insulation and welded to the heater connections. Lead wires exit through continuous insulation rated to 900 Fahrenheit. The cartridge heaters generate heat continuously for the full length of the heater, unlike conventional cartridge heaters, which have cold spots along their length and cold sections at each end. The even heat distribution means more uniform temperatures for your process.
The cartridge heaters feature a unique hot tip, allowing you reach into every place in your process that needs heat. When energized, the action of the split sheath design forces its opposing legs to expand into contact with the surrounding bore for maximum heat transfer. The result is lower operating temperature and up to five times longer life !



Product photo

Technical & electrical specifications

VOLTAGE, AMPERAGE, WATTAGE			
Size	**Max Volts**	**Max Amps**	**Wattage tolerance**
1/8" & 4 mm	120	4 Amps	+/- 10%

* Wattage tolerance for heaters under 1" long is +/- 15%

MINIMUM / MAXIMUM WATTAGES BY LENGTH @ 24 VOLTS*				
1/2"	**3/4"**	**1"**	**1 1/2"**	**2"**
Min / Max Wattage*	4 / 100	3 / 100	2 / 100	½ / 100

* Minimum Wattages at Other Voltages

240 Volts: multiply by 100
120 Volts : multiply by 25
48 Volts: multiply by 4
12 Volts: multiply by .25

MINI CARTRIDGE HEATERS

BACKER

Mechanical specifications

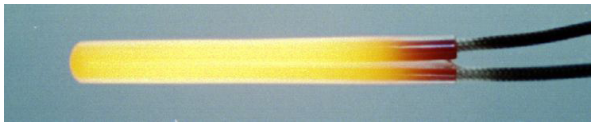
DIAMETER & LENGTH		
Size / Actual Diameter / Rec Bore ID	**Min Length**	**Max Length**
1/8" / .120" to .124" actual / .125" 4MM / .153" to .1565" actual / .1575	1/2" 5/8"	6" 6"

* Length Tolerance: +/-3% of length, with a 3/64" minimum

Standard features

•Standard Lead Wires (all insulations reated to 482 degrees F)

12" #24 gage stranded nickel, Fiberglas insulated
12" #24 gage stranded nickel, Teflon insulated
2 ½" #24 gage solid nickel, bare or silcon rubber insulated



•Cold End Length

.30" at lead exit end of heater

