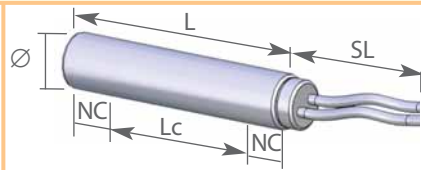


DEFINING A CARTRIDGE HEATER

Form available on our web site : www.acim-jouanin.fr

Company : Tel : / Fax :
 Contact : Department : Date :
 Brand of the machine on which the cartridge will be mounted :

Unless specified otherwise, your cartridge heaters will be manufactured as follows :
 - With standard cold zone (from 5 to 10 mm at each extremity),
 - Standard wiring supplied with a ceramic cap and a termination lead of 250 mm,
 - Heat resistant cement sealing.



Ø : Diameter
 L : Total length, excluded ceramic cap*
 Lc : Lg heating
 NC : Lg non heating
 SL : Leads length

* Exemple : Drawing with connection type CCT.0

Dimensionnel de la cartouche :

Diameter Ø (mm) :
 Length L (mm) :
 Wattage (W) :
 Voltage (V) :

Non heating length (mm) :
 Connection side : Standard Autre :
 Opposite to connection : Standard Autre :

Material :

Stainless steel Brass

UL approval :

Quantity :

Connection * : Select the shape and connection type

Connection number : CCT.

If the number is unknown, full fill the questionnaire below :

Lead termination :

- Type : Leads Without ceramic head Reinforced connection
- Flex. metal conduit + reinforced tube Silicone tube (90° squ.)
- Multiconductors wires
- "L" shape side connection at 90° C. coming of the tube (90°sq)
- Flexible connection without ceramic cap Earth return

- Lead length (mm) (by multiple of 250 mm) :

- Leads type (except multiconductors wires) :

- Standard (nickel conductor, fiberglass insulated)
- PTFE (nickel conductor PTFE insulated)
- CS (copper conductor, silicone insulated)
- CSES (copper conductor, silicone insulated, extra flexible)

Connection type



- Straight 90° bent 90° square

Type of protection :

- Ceramic beads Braid Flexible metal braid

Lead length (mm) :
 (This length must be shorter than the length of the lead)

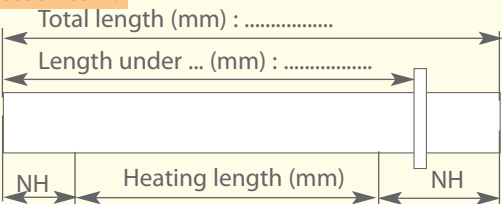
- Other connection types :** Pins and receptable socket Stud terminals Both ends rigid connection

Informations written in italic, require productions of special cartridges.

Sealing connection :

- Cement Silicone

Accessoires * :



NH : non heating length

N° accessories :

(Indicate the disposition of the accessorie on the sketch.)

- Threaded fitting : Internal External / Thread : Gaz Metrical
- Anchor tabs Mounting flange Abutment / Dimensions :

Other accoessories : Spring Threaded fitting Lug terminals

Reinforcement end cap Plugs : kind of plug :

Other informations :

Thermocouple :

- Thermocouple type : J K
- Leads length (mm) :
- Working temperature :

- Positionnement : At the bottom of the cart. : Insulated Non insulat.
- In the center of the cart. : Insulated Non insulated

Informations complémentaires :

Bore (compulsory) :
 Working temperature :
 Regulation type :

Complementary information concerning the applications :

For a special cartridge, please precise the complete description of your requirements.

.....

**In case of restriction of overall dimensions on accessories and/or on connections, please indicate your limitation. Productions of cartridge heaters are subject to our approval depending on power rating, current, sizes, connections and accessories.*

This form aims at defining a cartridge heater.
These information will enable us to choose the best suitable cartridge for your application.

Company : **Tel :** / **Fax :**

Name : **Department :** **Date**.....

Application :

Temperature rise Heating + temperature holding Temperature holding only

Product to be heated :

○ Volume or mass (static) (kg or m³) : Flow (m³/h) :

○ Initial temperature (°C) : Final temperature (°C) : Ambient temperature (°C) :

○ Time for the temperature rise (hours) :

○ Characteristics : Density (kg/m³) : Specific heat (J/ kg.K) : Thermal conductivity (W/m².°C) :

○ Specific information about the product :

○ Is there a change of state during the heating process (ex. solid becomes liquid) :

 Melting temperature (°C) : Latent heat of melting (J/kg)

Type of machine where the cartridges will be mounted :

○ Zone to be heated : length x width x height (mm) :

 Quantity of cartridges requested : (Under conditions)

○ Cartridges with UL approval : UL

○ Voltage (V):

 Type of connection : Leads or braided leads : length (mm) : Stud terminals Pins

○ Characteristics of the block to heat :

 Material : Dimensions (mm) :

 Mass or volume of the support (kg or m³) :

○ Characteristics : Density (kg/m³) : Specific heat (J/ kg.K) : Thermal conductivity (W/m².°C) :

○ Free space around the support :

Please send us a drawing of the piece to heat. This will enable us to calculate the heating losses and to choose the best suitable heater, taking into account the dimensions and holes .

Informations about the environment :

○ Field of application : food, industrial, plastics Corrosive environment ... Need of a reinforced heating zone :

.....

Material of the cartridge : Alumined steel Stainless steel

○ Operating place : inside or outside , heated room or nit , windy place ...

.....

Regulation :

○ Position of the temperature sensor :

○ Sensor : J thermocouple K thermocouple PT 100 Sensor ○ Ungrounded junction Grounded junction

○ Type (with bayonet, to screw ...) : Sensor bridge : Diameter Thread

○ Requested type of regulation : TOR PID Other :

Don't hesitate to ask for our brochure "temperature sensors"

Cartridges are subject to compatibility of wattage, intensity, dimension, termination, accessories and options

ACIM JOUANIN - 650, Rue Vulcain - Z.I. n°1 Nétreville - BP 1725 - 27017 EVREUX Cedex - France
Tél : 02.32.62.34.20 Fax : 02.32.62.34.29 E-mail : export@acim-jouanin.fr Web : www.acim-jouanin.fr

Our products specifications are subject to change without notice. We reserve the right to modify them according to the technical evolution.