

CSC - CSC/T - CSC/I - CSC/TS

Silicon elastomer insulated drain-line heaters

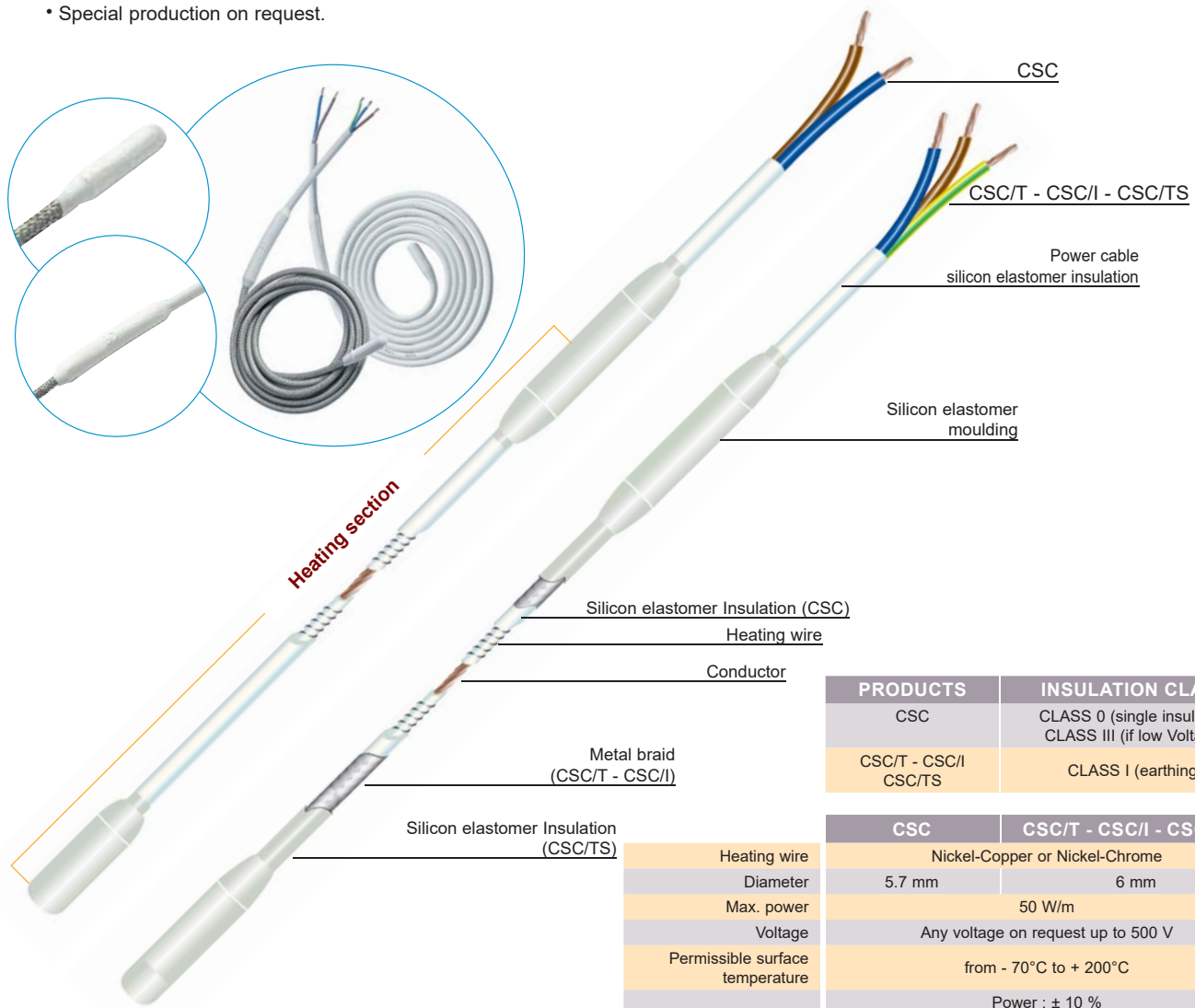
Characteristics

- Fully sealed.
- Extremely flexible.
- Any voltage on request.
- Power cable: standard length: 1m.
- CSC : silicon elastomer insulated drain-line heaters.
- CSC/T : with tinned copper braid for earthing and mechanical protection.
- CSC/I : with stainless steel braid for earthing and mechanical protection.
- CSC/TS : with tinned copper braid and silicon elastomer insulated
- Special production on request.

Applications

CSC, CSC/T, CSC/I and CSC/TS heaters are designed to be laid inside pipes for draining water from thawing refrigeration equipment installed in cold rooms. They operate only during thawing cycles.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.



PRODUCTS	INSULATION CLASS
CSC	CLASS 0 (single insulated) CLASS III (if low Voltage)
CSC/T - CSC/I CSC/TS	CLASS I (earthing)

	CSC	CSC/T - CSC/I - CSC/TS
Heating wire	Nickel-Copper or Nickel-Chrome	
Diameter	5.7 mm	6 mm
Max. power	50 W/m	
Voltage	Any voltage on request up to 500 V	
Permissible surface temperature	from - 70°C to + 200°C	
Tolerances	Power : ± 10 % Diameter : + 0.2 / - 0.1 mm Length : ± 1 %	
End insulation	Sealed silicon moulding	
Ingress protection code	IP66	
Minimum bending radius	6 x the diameter	

Use

Drain-line heaters are serie resistors. Consult the pages of the catalogue devoted to the corresponding general operating principles, general instructions for use and accessories.



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CSC2 Silicon elastomer insulated drain-line heaters

Characteristics

- Fully sealed.
- Double insulation.
- Extremely flexible.
- Voltage 230 V as standard.
- Power cable : Length 1m.
- Special production on request.

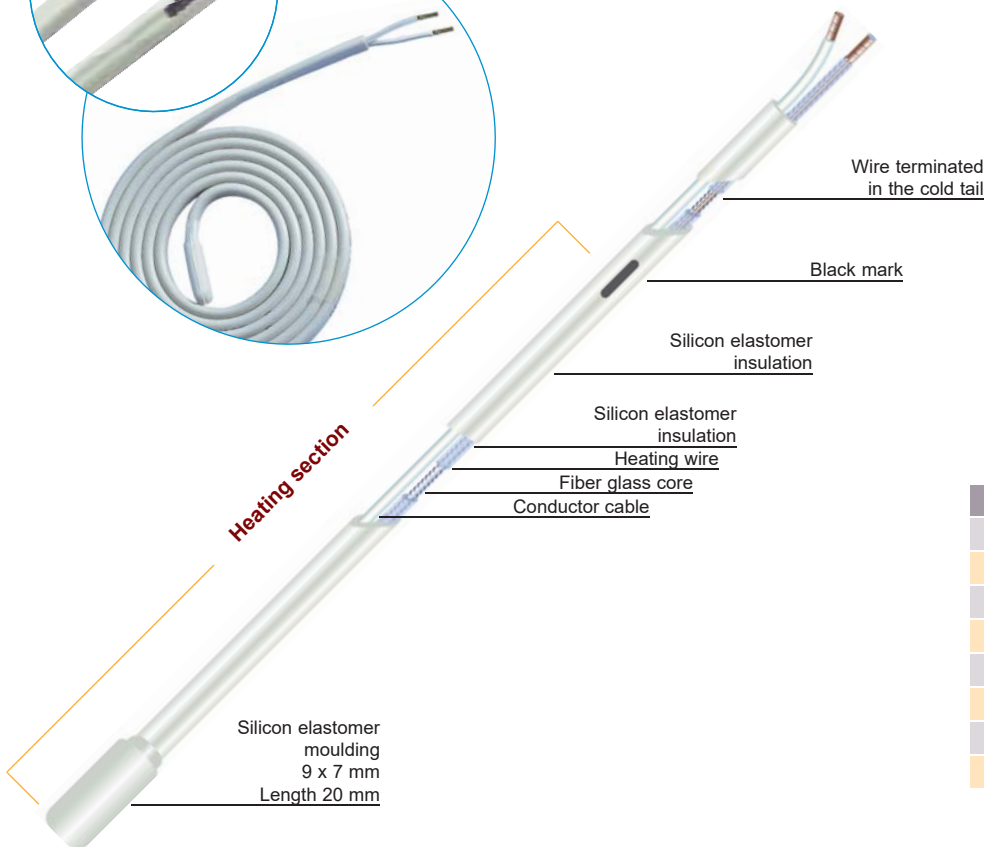
Applications

CSC2 heaters are designed to be laid inside pipes for draining water from thawing refrigeration equipment installed in cold rooms.

They operate only during thawing cycles.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.

Note: The most commonly used power rating is 50 W/m. However, for plastic pipes, we strongly recommend using the 40W/m range.



Standard models

Length (m)	CSC2	
	40 W/m	50 W/m
1	40 W	50 W
1.3	52 W	65 W
1.5	60 W	75 W
2	80 W	100 W
3	120 W	150 W
4	160 W	200 W
5	200 W	250 W
6	240 W	300 W

	CSC2
Heating wire	Nickel-Copper or Nickel-Chrome
Section	5 x 7 mm
Power	40 or 50 W/m
Voltage	Standard 230 V
Permissible surface temperature	from - 70°C to + 200°C
Tolerances	Power : ± 10 % Diameter : + 0.2 / - 0.1 mm Length : ± 1 %
Ingress protection code	IP67
Minimum bending radius	6 x the thickness

Caution

These cables must never be cut to shorten the cold tail.

Use

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CSC2K Silicon elastomer insulated drain-line heaters with integrated thermostat

Characteristics

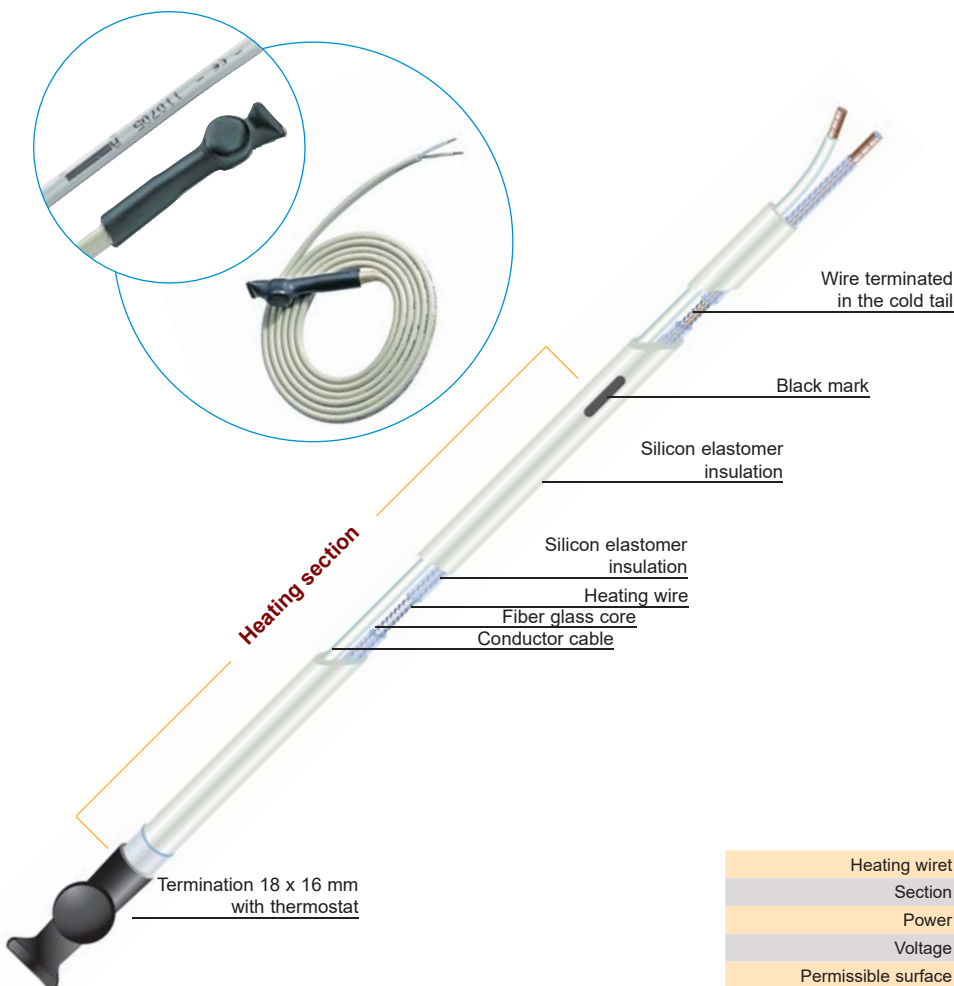
- Integrated thermostat.
- Heating section fully sealed.
- Double insulation.
- Extremely flexible.
- Voltage 230 V as standard.
- Power cable length: 1m.as standard
- Special production on request.

Applications

CSC2K heaters are designed to be placed at the bottom of collector trays inside refrigeration equipment in cold rooms, to prevent freezing and to allow condensate water to flow freely.

The integrated thermostat makes them fully autonomous. It must not be immersed.

Note: The most commonly used power rating is 50 W/m. However, for plastic trays, we strongly recommend using the 40W/m range.



Standard models

Length (m)	CSC2K	
	40 W/m	50 W/m
1	40 W	50 W
1.3	52 W	65 W
1.5	60 W	75 W
2	80 W	100 W
3	120 W	150 W
4	160 W	200 W
5	200 W	250 W
6	240 W	300 W

CSC2K	
Heating wire	Nickel-Copper or Nickel-Chrome
Section	5 x 7 mm
Power	40 or 50 W/m
Voltage	230 V as standard
Permissible surface temperature	from - 40°C to + 110°C
Tolerances	Power : ± 10 % Diameter : + 0.2 / - 0.1 mm Length : ± 1 %
End insulation	Heat-shrink sheath with adhesive
Thermostat	Pre-set to + 5°C/+ 15°C as standard
Ingress protection code	Cable IP67 - Thermostat IP54
Minimum bending radius	6 x the thickness

Caution

These cables must never be cut to shorten the cold tail. The round part of the thermostat (sensor) must be placed in the best position to collect information so that the cable can operate as required.

Use

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CSC2M Silicon elastomer insulated drain-line heaters "micro" size for refrigeration

Characteristics

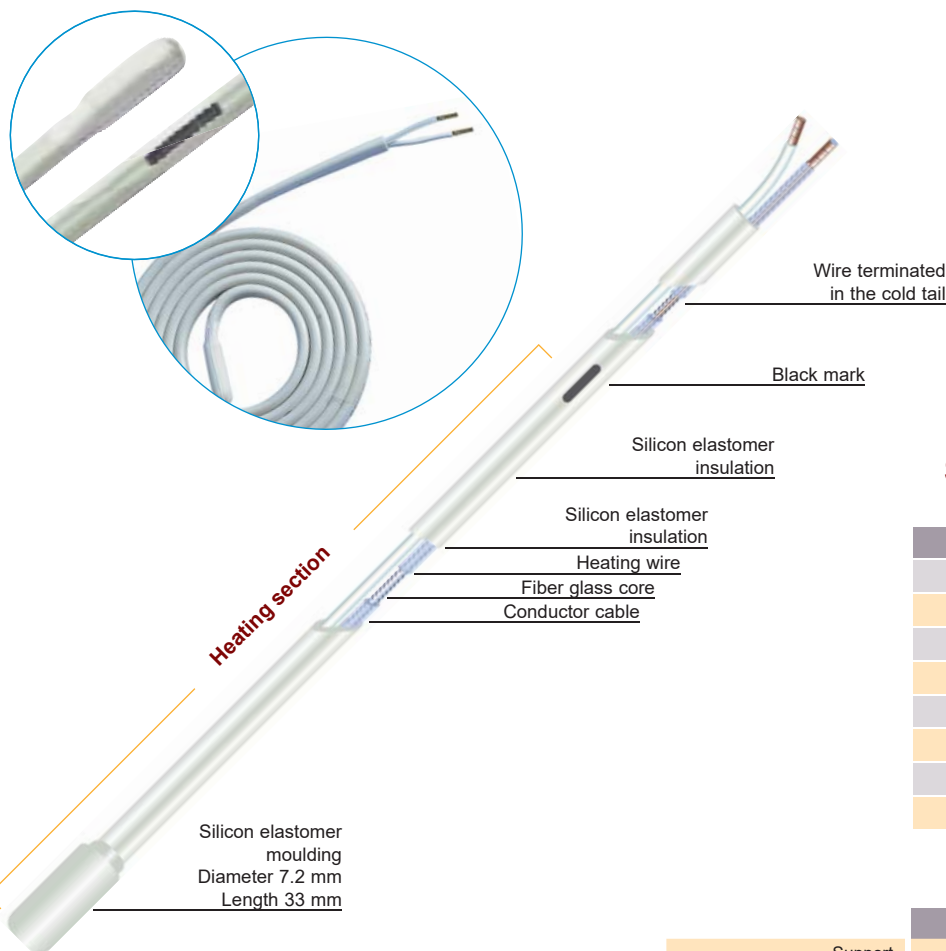
- Fully sealed.
- Double insulation.
- Extremely flexible.
- Voltage 230 V as standard.
- Power cable : length 1m.
- Very small size.
- Round shape.
- Special production on request.

Applications

CSC2M heaters are designed to be laid inside pipes for draining water from thawing refrigeration equipment installed in cold rooms.

They operate only during thawing cycles.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.



Standard models

Length (m)	CSC2M
	40 W/m
1	40 W
1.3	52 W
1.5	60 W
2	80 W
3	120 W
4	160 W
5	200 W
6	240 W

	CSC2M
Support	Nickel-Copper or Nickel-Chrome
Diameter	4,8mm
Power	40 W/m
Voltage	Standard 230 V
Permissible surface temperature	From - 70°C to + 200°C
Tolerances	Power : ± 10 % Diameter : + 0.2 / - 0.1 mm Length : ± 1 %
Ingress protection code	IP67
Minimum bending radius	6 x the diameter

Caution

These cables must never be cut to shorten the cold tail.

Use

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