ELVARME





NEWTRONI 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

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.



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.

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.

Wire terminated in the cold tail

Black mark



NEWTRONI

Silicon elastomer
insulation

Silicon elastomer insulation Heating wire Fiber glass core

Conductor cable

Standard models

	CSC2	
Length (m)	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

Silicon elastomer moulding 9 x 7 mm Length 20 mm

CAUTION

These cables must never be cut to shorten the cold tail

	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		

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.

CSC2K - SILICON ELASTOMER NEWTRONI INSULATED DRAIN-LINE HEATERS WITH INTEGRATED THERMOSTAT

Characteristics



- 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.

Wire terminated in the cold tail

Black mark

Silicon elastomer insulation

Silicon elastomer insulation Heating wire

Fiber glass core Conductor cable

Standard models				
	CSC2K			
Length (m)	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		
0	240 \M	200 \M		

	CSCOK
	03021
Heating wiret	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

Termination 18 x 16 mm with thermostat

CAUTION

These cables must never be cut 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

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.

CSC2M - SILICON ELASTOMER NEWTRONIC INSULATED DRAIN-LINE HEATERS "MICRO" SIZE FOR REFRIGERATION

Characteristics



- 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.



Wire terminated in the cold tail

Black mark

Silicon elastomer

Silicon elastomer

insulation Heating wire Fiber glass core Conductor cable

insulation

Standard models

	CSC2M	
Length (m)	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	

Silicon elastomer moulding Diameter 7.2 mm Length 33 mm

hting section

CAUTION

These cables must never be cut to shorten the cold tail



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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