

Cartridge Heaters



- Cartridge heaters manufactured with high technology, makes it possible to work under heavy conditions thanks to their high watt intensity. After 80/20 nickel-chrome wire is wrapped on to special ceramic, they are placed inside stainless steel cover, and high grade Magnesium Oxide is filled between cover and heater. Then they are compressed in special moulds to give high efficiency and perfect heat transfer.

- Besides Standard dimensions cartridge heaters are manufactured in special dimensions and values according to customer's order.

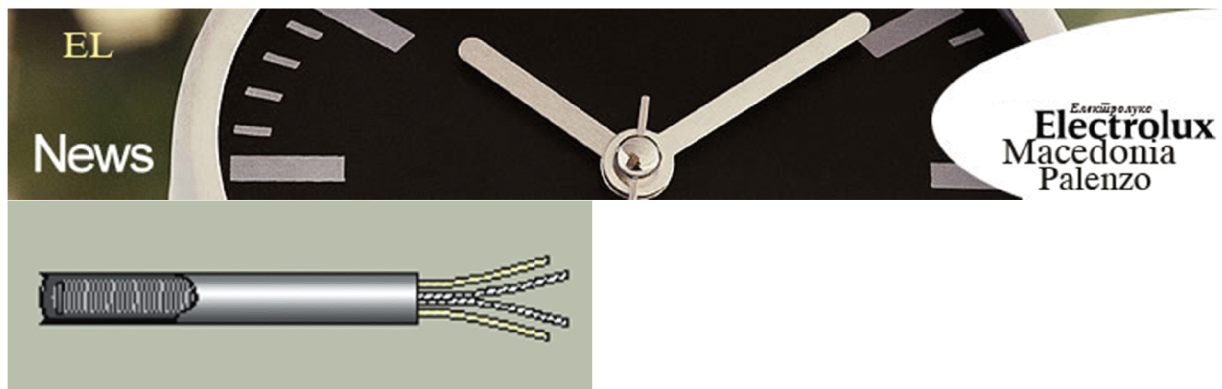
- Cartridge heaters can be manufactured with internal FeConst (up to 400 °C) or NiCrNi (above 400 °C) thermocouples.

Thermocouple Cartridge of Resistance:

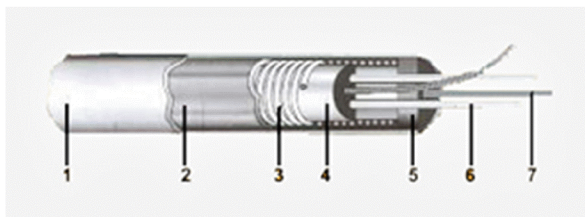
- Cartridge heaters out of the sincere FeConst (up to 400 °C) or NiCrNi (400 °C after) can be produced as termokupllu.

- Thermocouple resistance can be in two different ways.

1 - Thermocouple ends will not touch the body at the bottom.



2 - Thermocouple ends in the middle of the body resistance to worth.



1-CrNi (stainless steel external jacket)

2-High-purity compressed MgO

3-80/20 CrNi wires

A 4-MgO ceramic

5-Ceramic move end

6-Nickel-end wire

7-Termokupl teli

- Fly out to wear all kinds of pollution and to protect against mechanical damage by armored flexible metal spiral.

- Place restrictions on the area 90 ° lik elbow protected output.

- Place restrictions on the 90 ° lik cube output protected areas.

- Stainless or yellow as the flange is suitable for heating liquids.



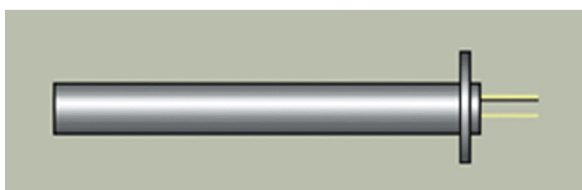
- Stainless or yellow as the gland is suitable for heating liquids.

End Exit Positions:

Armored Metal Spiral:



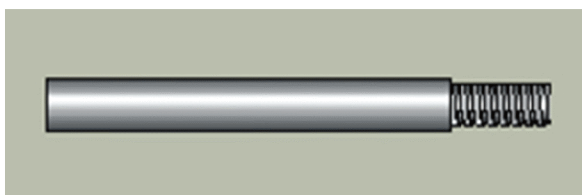
With Cubes:



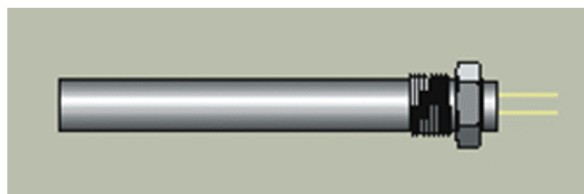
With Elbow:



Flanged:



Gland With:



Standard Dimensions (mm) :

Ø mm	L : mm	Watt : 230 V
6,5	30	100 125
	40	100 125 160 175 200



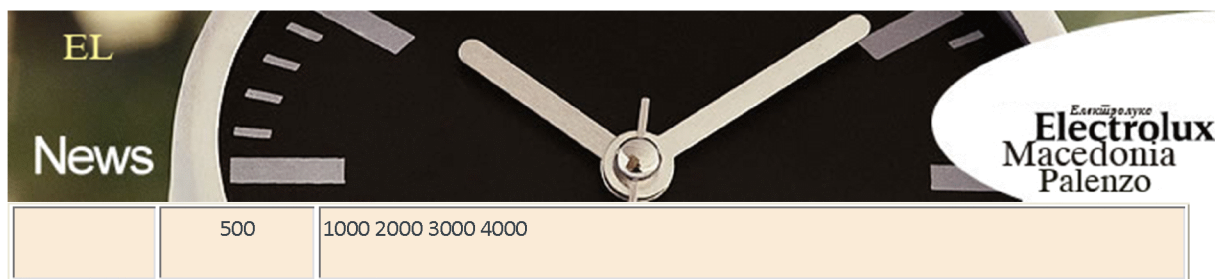
	50	100 125 160 200 250
	60	125 160 200 250
	80	125 160 180 200 250 280 315
	100	100 160 200 250 315 350 400
	130	125 150 200 250 300 350 400
	160	200 250 300 350 400
8	30	100 125 150
	40	100 150 200
	50	125 150 200 250
	60	125 150 200 250 300
	80	150 200 250 300 350
	100	175 200 250 300 400
	130	175 200 250 300 400 450
	160	200 250 300 400 500 550
10	30	100 125 150
	40	100 125 150 200 250 300
	50	100 150 200 250 300 350
	60	125 150 200 250 300 400
	80	150 200 250 300 400 450
	100	150 200 250 300 400 500 550



	130	200 250 300 400 500 600 650
	160	250 300 400 500 600 700 750
	200	400 500 600 700 800 900
	250	400 500 600 700 800 900 1000
12,5	40	125 150 200 250 300 350
	50	125 150 200 250 300 400
	60	150 200 250 300 400 500
	80	150 200 250 300 400 500 600
	100	200 250 300 400 500 600 700 800
	130	200 300 400 500 600 700 800 900
	160	250 300 400 500 600 800 100
	180	300 400 500 600 800 1000 1100
	200	300 400 500 800 1000 1200
	250	400 500 600 800 1000 1200 1400
	300	400 600 800 1000 1250 1500
16	40	150 200 250 300 400 500
	50	150 200 250 300 400 500 550
	60	150 200 250 300 400 500 600
	80	200 250 300 400 500 600 800
	100	200 300 400 500 600 800 1000 1100



	130	400 500 600 800 1000 1200
	160	400 500 600 800 1000 1250
	180	400 500 600 800 1000 1200 1400
	200	500 600 800 1000 1200 1400 1500
	250	500 600 800 1000 1200 1400 1600
	300	500 600 800 1000 1200 1400 1600 2000
	350	500 800 1000 1200 1400 1600 2000 2200
	400	500 800 1000 1200 1400 1600 2000 2500
20	50	200 250 300 400
	60	200 300 400 600 700
	80	200 400 600 800 1000 1100
	100	300 500 600 800 1000 1200 1400
	130	400 600 800 1000 1200 1400 1600
	160	500 600 800 1000 1250 1600 1800
	200	500 800 1000 1250 1500 1750 2000
	250	500 900 1250 1750 2250
	300	500 1000 1500 200 2500
	350	500 1000 2000 3000
	400	500 1000 2000 3000 3500
	450	1000 2000 3250 3750



Standard Dimensions (inch) :

Ø mm	L : mm	Watt : 230 V
1/4" (6,35mm)	1"	100 125
	1,1/2"	100 125 160 175 200
	2"	100 125 160 200 250
	2,1/2"	125 160 200 250
	3"	125 160 180 200 250 280 315
	3,1/2"	100 160 200 250 315
	4"	125 150 200 250 300 350
	5"	150 200 250 300 400
	6"	150 200 250 300 350 400 450
3/8" (9,52mm)	1,1/2"	125 150 200 250 300
	2"	150 200 300 400
	2,1/2"	150 200 250 300 400 500
	3"	200 250 300 400 500 600



	3,1/2"	150 200 2300 400 600 700
	4"	200 300 400 600 800
	5"	200 300 400 600 800 900
	6"	250 300 400 600 800 930
	7"	250 300 400 600 800 1000
	8"	300 400 600 800 1000 1100
	9"	300 400 600 800 1000 1200
	10"	300 400 600 800 1000 1200 1400
	12"	400 600 800 1000 1200 1400 1500
1/2" (12,7mm)	1,1/2"	125 150 200 250 300
	2"	150 200 300 400
	2,1/2"	150 200 250 300 400 500
	3"	200 250 300 400 500 600
	3,1/2"	150 200 300 400 600 700
	4"	200 300 400 600 800
	5"	200 300 400 600 800 900
	6"	250 300 400 600 800 930
	7"	250 300 400 600 800 1000
	8"	300 400 600 800 1000 1100
	9"	300 400 600 800 1000 1200



	10"	300 400 600 800 1000 1200 1400
	12"	400 600 800 1000 1200 1400 1500
5/8" (15,87mm)	2"	150 200 300 500
	2,1/2"	200 300 400 500 600
	3"	200 300 400 600 700
	3,1/2"	200 300 400 600 750
	4"	200 300 400 600 800 900
	5"	300 400 600 800 1000
	6"	300 400 600 800 1000 1200
	7"	400 600 800 1000 1200 1400
	8"	400 600 800 1000 1200 1400 1450
	9"	400 600 800 1000 1200 1400 1500
	10"	500 600 800 1000 1250 1500
	12"	500 750 1000 1250 1500 1700
	14"	500 750 1000 1250 1500 2000 2250
	16"	750 1000 1250 1500 2000 2500
3/4" (19,05mm)	3"	300 400 500 600
	4"	300 400 600 800 1000
	5"	400 500 600 800 1000 1250
	6"	400 600 800 1000 1250 1500



	7"	500 600 750 1000 1250 1500 1700
	8"	500 600 800 1000 1250 1500 1750 2000
	10"	500 1000 1250 1500 2000 2250
	12"	500 1000 1500 2000 2500
	14"	750 1000 1250 1500 2000 2500 3000
	16"	1000 1500 2000 2500 3000 3250
	20"	1000 1500 2000 2500 3000 3500 3750

Length of Cable: 300 mm.