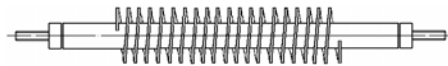


Tubular Heaters



- In this range:**
- Plain tubular heaters
 - Square cross-section heaters
 - Finned tubular heaters
 - Duct heating batteries
 - Threaded immersion heaters
 - Flanged immersion heaters

Finned Tubular Heaters



Finned construction is ideal for transferring heat to air or other gases. Finned tubular heaters are manufactured in a very wide range of dimensions and power ratings. They can be shaped into any pattern, depending on the application. Complete air heating batteries, that incorporate finned tubular heaters, are designed and built to meet the requirements of any civil or industrial-process air conditioning installation.

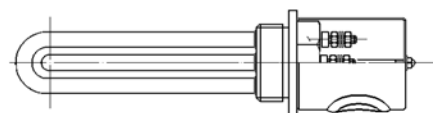
2 W/cm² specific-power finned tubular heaters are ideal for heating low thermal-exchange gases, by simple convection, to 450°C. Typical in static driers, ovens, incubators, room heating.

3 W/cm² specific-power finned tubular heaters are ideal for heating low-thermal-exchange gases, by simple convection, to 250°C. Typical in ventilated driers, low-power batteries, room heating.

4 W/cm² specific-power finned tubular heaters are ideal for heating gases in forced-ventilation ducts, in thermofans, industrial batteries, high thermal-exchange installations.

7 W/cm² specific-power finned tubular heaters are ideal for heating gases in forced-ventilation ducts.

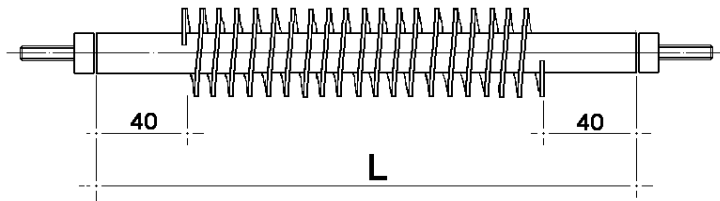
Threaded Immersion Heaters



Efficient, compact heating units designed to provide bulk heat flow system processing of fluids or for liquid accumulators. Normal and certified hazardous area constructions Very widely used to heat water, oil, gases, or for heat transfer.

Standard models have AISI 321 tubes and brass heads. Stainless steel heads are also available. Standard contact box is IP40 in aluminium. IP 65 contact boxes also available, as well as IP65 with built-in probe and thermostat. On request, contact heads for hazardous areas are available.

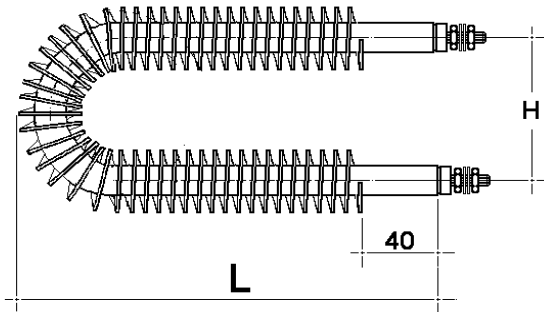
Straight Finned Tubular Heaters



230 V - 1 phase

Power (W)	L (mm)	Tube diameter (mm)	Fins diameter (mm)	Specific Power
300	350	16	34	2 W/cm ²
500	550	16	34	
700	750	16	34	
800	850	16	34	
1000	1050	16	34	
1200	1250	16	34	
1300	1350	16	34	
1500	1550	16	34	
1800	1850	16	34	
2000	2050	16	34	
2500	2550	16	34	
3000	3050	16	34	3 W/cm ²
500	400	16	34	
700	500	16	34	
800	600	16	34	
1000	700	16	34	
1200	850	16	34	
1300	900	16	34	
1500	1050	16	34	
1800	1250	16	34	
2000	1400	16	34	
2500	1700	16	34	
3000	2050	16	34	
3500	2350	16	34	4 W/cm ²
700	400	16	34	
800	450	16	34	
1000	550	16	34	
1200	650	16	34	
1300	700	16	34	
1500	800	16	34	
1800	950	16	34	
2000	1050	16	34	
2500	1300	16	34	
3000	1550	16	34	
3500	1800	16	34	
4000	2050	16	34	7 W/cm ²
500	260	10,5	22,5	
700	340	10,5	22,5	
800	380	10,5	22,5	
1000	460	10,5	22,5	
1200	540	10,5	22,5	
1300	580	10,5	22,5	
1500	660	10,5	22,5	
1800	780	10,5	22,5	
2000	860	10,5	22,5	
2500	1060	10,5	22,5	

U-shaped Finned Tubular Heaters

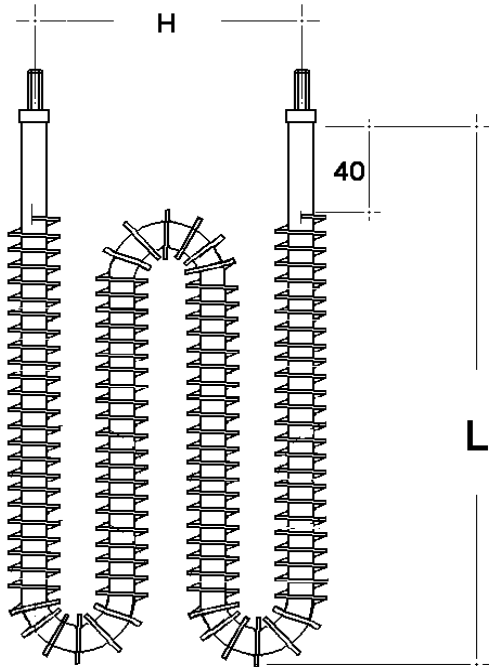


230 V - 1 phase

Power (W)	L (mm)	H (mm)	Tube diameter (mm)	Fins diameter (mm)	Specific Power
500	275	70	16	34	2 W/cm ²
700	375	70	16	34	
800	425	70	16	34	
1000	525	70	16	34	
1200	625	70	16	34	
1300	675	70	16	34	
1500	775	70	16	34	
1800	925	70	16	34	
2000	1025	70	16	34	
2500	1275	70	16	34	
3000	1525	70	16	34	3 W/cm ²
700	250	70	16	34	
800	300	70	16	34	
1000	350	70	16	34	
1200	425	70	16	34	
1300	450	70	16	34	
1500	525	70	16	34	
1800	625	70	16	34	
2000	700	70	16	34	
2500	850	70	16	34	
3000	1025	70	16	34	
3500	1175	70	16	34	4 W/cm ²
800	225	70	16	34	
1000	275	70	16	34	
1200	325	70	16	34	
1300	350	70	16	34	
1500	400	70	16	34	
1800	475	70	16	34	
2000	525	70	16	34	
2500	650	70	16	34	
3000	775	70	16	34	
3500	900	70	16	34	7 W/cm ²
4000	1025	70	16	34	
500	125	50	10,5	22,5	
700	165	50	10,5	22,5	
800	185	50	10,5	22,5	
1000	225	50	10,5	22,5	
1200	265	50	10,5	22,5	
1300	285	50	10,5	22,5	
1500	325	50	10,5	22,5	
1800	385	50	10,5	22,5	
2000	425	50	10,5	22,5	
2500	525	50	10,5	22,5	
3000	625	50	10,5	22,5	

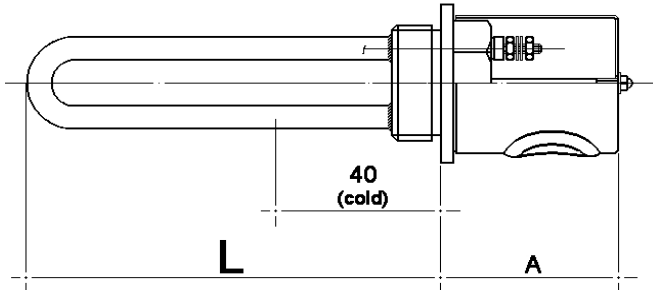
W-shaped Finned Tubular Heaters

230 V - 1 phase



Power (W)	L (mm)	H (mm)	Tube diameter (mm)	Fins diameter (mm)	Specific Power
800	105	150	10,5	22,5	7 W/cm ²
1000	125	150	10,5	22,5	
1200	145	150	10,5	22,5	
1300	155	150	10,5	22,5	
1500	175	150	10,5	22,5	
1800	205	150	10,5	22,5	
2000	225	150	10,5	22,5	
2500	275	150	10,5	22,5	
3000	325	150	10,5	22,5	

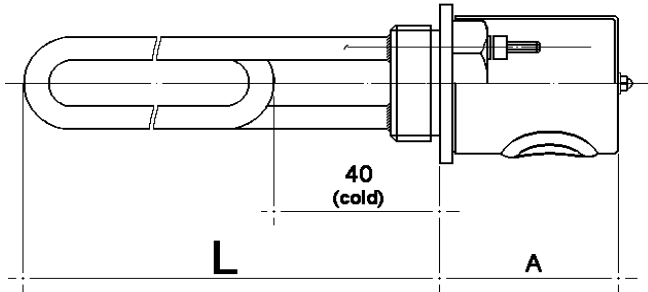
Threaded Immersion Heaters - 1 Element, 1 Bend



230 V - 1 phase

Power (W)	L (mm)	A (mm)	Threaded Head	Tubes Diameter	Specific Power
300	360	55	1.1/4"	8	2 W/cm ² (fit for oil)
330	330	70	1.1/2"	10	
400	460	55	1.1/4"	8	
400	385	70	1.1/2"	10	
500	560	55	1.1/4"	8	
500	460	70	1.1/2"	10	
600	660	55	1.1/4"	8	
670	590	70	1.1/2"	10	
700	760	55	1.1/4"	8	
830	720	70	1.1/2"	10	
850	900	55	1.1/4"	8	
1000	1050	55	1.1/4"	8	
1000	860	70	1.1/2"	10	
1170	990	70	1.1/2"	10	
1250	1300	55	1.1/4"	8	
1500	1550	55	1.1/4"	8	
1670	1370	70	1.1/2"	10	
500	160	55	1.1/4"	8	7 W/cm ² (fit for water)
670	220	55	1.1/4"	8	
670	215	70	1.1/2"	10	
830	255	70	1.1/2"	10	
1000	300	55	1.1/4"	8	
1000	295	70	1.1/2"	10	
1170	335	70	1.1/2"	10	
1330	380	55	1.1/4"	8	
1330	365	70	1.1/2"	10	
1500	440	55	1.1/4"	8	
1670	500	55	1.1/4"	8	
1670	450	70	1.1/2"	10	
2000	590	55	1.1/4"	8	
2000	515	70	1.1/2"	10	
2500	730	55	1.1/4"	8	
2670	675	70	1.1/2"	10	
3000	870	55	1.1/4"	8	
3330	825	70	1.1/2"	10	
3500	1000	55	1.1/4"	8	
4000	1200	55	1.1/4"	8	
4000	975	70	1.1/2"	10	

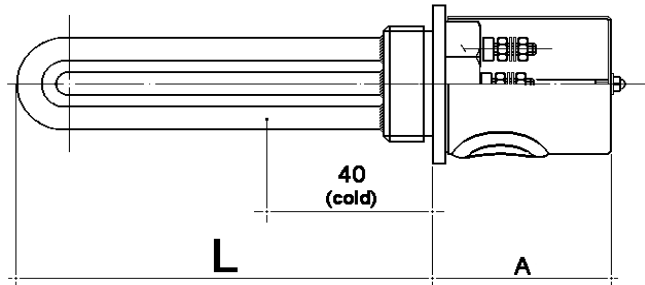
Threaded Immersion Heaters - 1 Element, 3 Bends - Oil



230 V - 1 phase

Power (W)	L (mm)	A (mm)	Threaded Head	Tubes Diameter	Specific Power
190	330	70	1.1/4"	10	2 W/cm ² (fit for oil)
190	330	70	1.1/2"	10	
190	330	70	2"	10	
300	210	55	1.1/4"	8	
300	210	55	1.1/2"	8	
400	260	55	1.1/4"	8	
400	260	55	1.1/2"	8	
400	215	70	1.1/4"	10	
400	215	70	1.1/2"	10	
400	215	70	2"	10	
500	310	55	1.1/4"	8	
500	310	55	1.1/2"	8	
500	260	70	1.1/4"	10	
500	260	70	1.1/2"	10	
500	260	70	2"	10	
600	360	55	1.1/4"	8	
600	360	55	1.1/2"	8	
670	320	70	1.1/4"	10	
670	320	70	1.1/2"	10	
670	320	70	2"	10	
700	410	55	1.1/4"	8	
700	410	55	1.1/2"	8	
830	390	70	1.1/4"	10	
830	390	70	1.1/2"	10	
830	390	70	2"	10	
850	480	55	1.1/4"	8	
850	480	55	1.1/2"	8	
1000	555	55	1.1/4"	8	
1000	555	55	1.1/2"	8	
1000	450	70	1.1/4"	10	
1000	450	70	1.1/2"	10	
1000	450	70	2"	10	
1170	520	70	1.1/4"	10	
1170	520	70	1.1/2"	10	
1170	520	70	2"	10	
1250	680	55	1.1/4"	8	
1250	680	55	1.1/2"	8	
1500	805	55	1.1/4"	8	
1500	805	55	1.1/2"	8	
1670	720	70	1.1/4"	10	
1670	720	70	1.1/2"	10	
1670	720	70	2"	10	

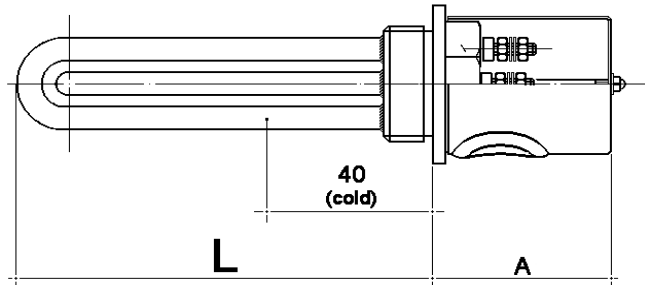
Threaded Immersion Heaters - 1 Element, 3 Bends - Water



230 V - 1 phase

Power (W)	L (mm)	A (mm)	Threaded Head	Tubes Diameter	Specific Power
670	135	65	1.1/4"	10	7 W/cm ² (fit for water)
670	135	65	1.1/2"	10	
670	135	65	2"	10	
830	150	65	1.1/4"	10	
830	150	65	1.1/2"	10	
830	150	65	2"	10	
1000	180	55	1.1/4"	8	
1000	180	55	1.1/2"	8	
1000	170	65	1.1/4"	10	
1000	170	65	1.1/2"	10	
1000	170	65	2"	10	
1170	190	65	1.1/4"	10	
1170	190	65	1.1/2"	10	
1170	190	65	2"	10	
1330	220	55	1.1/4"	8	
1330	220	55	1.1/2"	8	
1330	210	65	1.1/4"	10	
1330	210	65	1.1/2"	10	
1330	210	65	2"	10	
1500	250	55	1.1/4"	8	
1500	250	55	1.1/2"	8	
1670	280	55	1.1/4"	8	
1670	280	55	1.1/2"	8	
1670	245	65	1.1/4"	10	
1670	245	65	1.1/2"	10	
1670	245	65	2"	10	
2000	325	55	1.1/4"	8	
2000	325	55	1.1/2"	8	
2000	280	65	1.1/4"	10	
2000	280	65	1.1/2"	10	
2000	280	65	2"	10	
2500	395	55	1.1/4"	8	
2500	395	55	1.1/2"	8	
2670	360	65	1.1/4"	10	
2670	360	65	1.1/2"	10	
2670	360	65	2"	10	
3000	465	55	1.1/4"	8	
3000	465	55	1.1/2"	8	
3330	435	65	1.1/4"	10	
3330	435	65	1.1/2"	10	
3330	435	65	2"	10	
3500	530	55	1.1/4"	8	
3500	530	55	1.1/2"	8	
4000	630	55	1.1/4"	8	
4000	630	55	1.1/2"	8	
4000	510	65	1.1/4"	10	
4000	510	65	1.1/2"	10	
4000	510	65	2"	10	

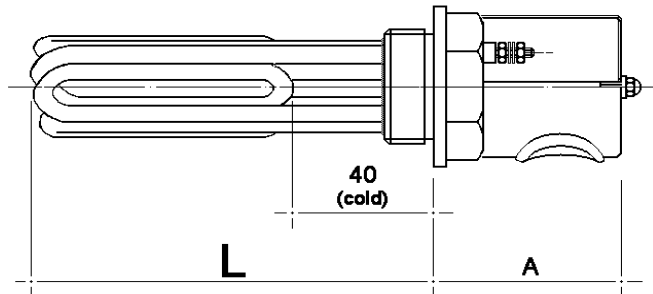
Threaded Immersion Heaters - 3 Elements, 1 Bend



400 V - 3 phase

Power (W)	L (mm)	A (mm)	Threaded Head	Tubes Diameter	Specific Power
900	360	55	1.1/4"	8	2 W/cm ² (fit for oil)
1000	330	65	2"	10	
1200	385	65	2"	10	
1500	560	55	1.1/4"	8	
1500	460	65	2"	10	
2000	590	65	2"	10	
2100	760	55	1.1/4"	8	
2500	900	55	1.1/4"	8	
2500	720	65	2"	10	
3000	1050	55	1.1/4"	8	
3000	860	65	2"	10	
3500	990	65	2"	10	
1500	160	55	1.1/4"	8	
2000	220	55	1.1/4"	8	
2000	210	65	2"	10	
2500	250	65	2"	10	
3000	300	55	1.1/4"	8	
3000	290	65	2"	10	
3500	330	65	2"	10	
4000	380	55	1.1/4"	8	
4000	360	65	2"	10	
4500	440	55	1.1/4"	8	
5000	500	55	1.1/4"	8	
5000	445	65	2"	10	
6000	590	55	1.1/4"	8	
6000	510	65	2"	10	
7500	750	55	1.1/4"	8	
8000	670	65	2"	10	
9000	870	55	1.1/4"	8	
10000	820	65	2"	10	
10500	1000	55	1.1/4"	8	
12000	1200	55	1.1/4"	8	
12000	970	65	2"	10	

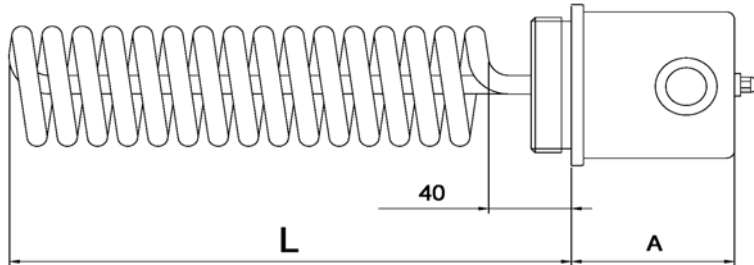
Threaded Immersion Heaters - 3 Elements, 3 Bends



400 V - 3 phase

Power (W)	L (mm)	A (mm)	Threaded Head	Tubes Diameter	Specific Power	
900	210	85	2"	8	2 W/cm ² (fit for oil)	
1000	190	85	2.1/2"	10		
1200	215	85	2.1/2"	10		
1500	310	85	2"	8		
1500	260	85	2.1/2"	10		
2000	320	85	2.1/2"	10		
2100	410	85	2"	8		
2500	480	85	2"	8		
2500	390	85	2.1/2"	10		
3000	555	85	2"	8		
3000	450	85	2.1/2"	10		
3500	520	85	2.1/2"	10		
5000	720	85	2.1/2"	10		
2000	135	85	2.1/2"	10		7 W/cm ² (fit for water)
2500	150	85	2.1/2"	10		
3000	180	85	2"	8		
3000	170	85	2.1/2"	10		
3500	190	85	2.1/2"	10		
4000	220	85	2"	8		
4000	210	85	2.1/2"	10		
4500	250	85	2"	8		
5000	280	85	2"	8		
5000	245	85	2.1/2"	10		
6000	325	85	2"	8		
6000	280	85	2.1/2"	10		
7500	395	85	2"	8		
8000	360	85	2.1/2"	10		
9000	465	85	2"	8		
10000	435	85	2.1/2"	10		
10500	530	85	2"	8		
12000	630	85	2"	8		
12000	510	85	2.1/2"	10		

Threaded Immersion Heaters - Screw-shaped Element



230 V - 1 phase

Power (W)	L (mm)	A (mm)	Threaded Head	Tubes Diameter	Specific Power
300	150	60	1.1/4"	8	2 W/cm ² (fit for oil)
400	165	60	1.1/4"	8	
500	195	60	1.1/4"	8	
600	240	60	1.1/4"	8	
850	270	60	1.1/4"	8	
1000	315	60	1.1/4"	8	
1250	360	60	1.1/4"	8	
1500	480	60	1.1/4"	8	7 W/cm ² (fit for water)
500	120	60	1.1/4"	8	
670	130	60	1.1/4"	8	
1000	140	60	1.1/4"	8	
1330	155	60	1.1/4"	8	
1500	180	60	1.1/4"	8	
1670	195	60	1.1/4"	8	
2000	210	60	1.1/4"	8	
2500	250	60	1.1/4"	8	
3000	280	60	1.1/4"	8	
3500	330	60	1.1/4"	8	
4000	360	60	1.1/4"	8	



As a dynamic and innovative Group, we pursue a policy of continuous product development and improvement. Our companies, therefore, reserve the right to amend the specifications without giving prior notice. Descriptions and data in this brochure are correct at the time of the issue but are subject to alteration. Details of any change are available on request.

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