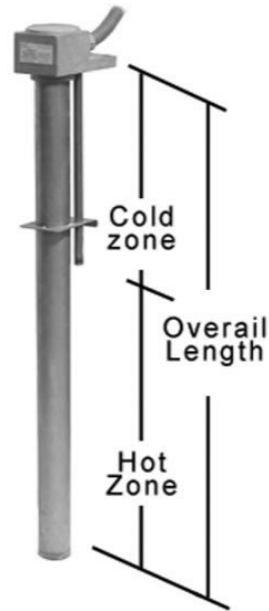


Metal heater

Single metal tube heater



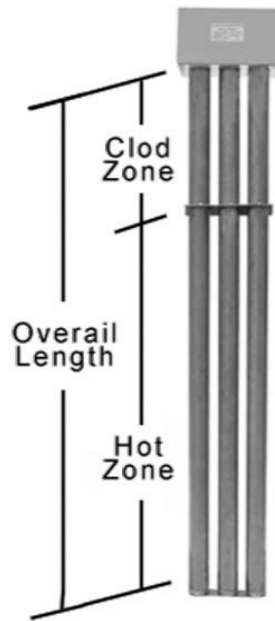
Single-tube metal heater							
WATTS	VOLTS See pg. 1	HOTZONE In/(MM)	OVERALL LENGTH In/(MM)	304 SS	316 SS	TITANIUM	SHIPWGT Lbs/(kg)
1000	120	6	11	F1111-**	S1111-**	T1111-**	7
	240	155	280	F1211-**	S1211-**	T1211-**	3.5
2000	120	10	17	F2117-**	S2117-**	T2117-**	10
	240	225	430	F2217-**	S2217-**	T2217-**	4.5
	480			F2417-**	S2417-**	T2417-**	
3000	240	16	23	F3223-**	S3223-**	T3223-**	11
	480	405	585	F3423-**	S3423-**	T3423-**	5
4000	240	20	29	F4229-**	S4229-**	T4229-**	13
	480	510	735	F4429-**	S4429-**	T4429-**	6
5000	240	25	35	F5235-**	S5235-**	T5235-**	15
	480	635	890	F5435-**	S5435-**	T5435-**	7
6000	240	30	40	F6240-**	S6240-**	T6240-**	17
	480	760	1015	F6440-**	S6440-**	T6440-**	8
8000	240	37	47	F8247-**	S8247-**	T8247-**	23
	480	940	1195	F8447-**	S8447-**	T8447-**	10.5

9000	240	44	54	F9254-**-	S9254-**-	T9254-**-	24
	480	1120	1370	F9454-**-	S9454-**-	T9454-**-	11
10000	240	49	59	F10259-**-	S10259-**-	T10259-**-	25
	480	1245	1500	F10459-**-	S10459-**-	T10459-**-	11. 5
12000	240	58	68	F12268-**-	S12268-**-	T12268-**-	28
	480	1475	1730	F12468-**-	S12468-**-	T12468-**-	13
Three-phase type also available , please add "-3" when choose the over-temperature protection device models.							

Product Features

- 1.Adopt titanium, zirconium, SUS304 and SUS316 stainless steel to make, divide into vertical and heated at the bottom of "L", "Z" shape.
- 2.According to the installation location , the chemical liquid’s nature, solid matter deposit characteristics in liquid to design the surface power of heat tube and decide the Tube diameter. Diameter general specifications: ø11mm,ø17mm,ø25mm,ø30mm,ø32mm,ø45mm,ø50mm。
- 3.ø11mm, ø17mm tubes are shrinking tube heater, liquid heating, heat pipe surface power 5.6W/Cm2, apply to the mobility, and less solid Body deposition, Liquid does not precipitate in the heating surface of the liquid crystal heating after cooling.
- 4.ø45mm diameter series products adopt low surface power design.
5. Have 120V single-phase voltage, 220V, 380V, 220V three-phase, 380V three-phase, power from 0.5KW to 140KW.
6. All heaters can be ancillary use with over-temperature protection switches and temperature probe.
7. All heaters are adopt international inspection standards and ensure the electrical safety.

3 metal heater

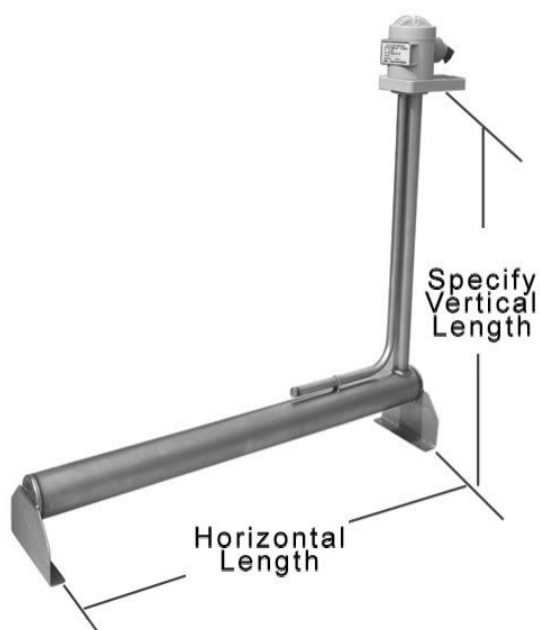


3 metal heater							
WATTS	VOLTS See pg. 1	HOTZONE In/ (MM)	OVERALL LENGTH In/ (MM)	304 SS	316 SS	TITANIUM	SHIPWGT Lbs/ (kg)
3000	240	6	11	3F3211-**	3S3211-**	3T3211-**	21
	480	155	280	3F3411-**	3S3411-**	3T3411-**	9. 5
6000	240	10	17	3F6217-**	3S6217-**	3T6217-**	30
	480	225	430	3F6417-**	3S6417-**	3T6417-**	14
9000	240	16	23	3F9223-**	3S9223-**	3T9223-**	33
	480	405	585	3F9423-**	3S9423-**	3T9423-**	15
12000	240	20	29	3F12229-**	3S12229-**	3T12229-**	39
	480	510	735	3F12429-**	3S12429-**	3T12429-**	18
15000	240	25	35	3F15235-**	3S15235-**	3T15235-**	45
	480	635	890	3F15435-**	3S15435-**	3T15435-**	20. 5
18000	240	30	40	3F18240-**	3S18240-**	3T18240-**	51
	480	760	1015	3F18440-**	3S18440-**	3T18440-**	23
24000	240	37	47	3F24247-**	3S24247-**	3T24247-**	63
	480	940	1195	3F24447-**	3S24447-**	3T24447-**	28. 5
27000	240	44	54	3F27254-**	3S27254-**	3T27254-**	69
	480	1120	1370	3F27454-**	3S27454-**	3T27454-**	31
30000	240	49	59	3F30259-**	3S30259-**	3T30259-**	75
	480	1245	1500	3F30459-**	3S30459-**	3T30459-**	34
36000	240	58	68	3F36268-**	3S36268-**	3T36268-**	84
	480	1475	1730	3F36468-**	3S36468-**	3T36468-**	38

Product Features

1. Adopt titanium, zirconium, SUS304 and SUS316 stainless steel to make, divide into vertical and heated at the bottom of "L", "Z" shape.
2. According to the installation location, the chemical liquid's nature, solid matter deposit characteristics in liquid to design the surface power of heat tube and decide the Tube diameter. Diameter general specifications: $\varnothing 11\text{mm}$, $\varnothing 17\text{mm}$, $\varnothing 25\text{mm}$, $\varnothing 30\text{mm}$, $\varnothing 32\text{mm}$, $\varnothing 45\text{mm}$, $\varnothing 50\text{mm}$.
3. $\varnothing 11\text{mm}$, $\varnothing 17\text{mm}$ tubes are shrinking tube heater, liquid heating, heat pipe surface power $5.6\text{W}/\text{Cm}^2$, apply to the mobility, and less solid Body deposition, Liquid does not precipitate in the heating surface of the liquid crystal heating after cooling.
4. $\varnothing 45\text{mm}$ diameter series products adopt low surface power design.
5. Have 120V single-phase voltage, 220V, 380V, 220V three-phase, 380V three-phase, power from 0.5KW to 140KW.
6. All heaters can be ancillary use with over-temperature protection switches and temperature probe.
7. All heaters are adopt international inspection standards and ensure the electrical safety.

L-one-tube stainless steel titanium metal SUS316



L-type single-tube metal SUS316 stainless steel titanium

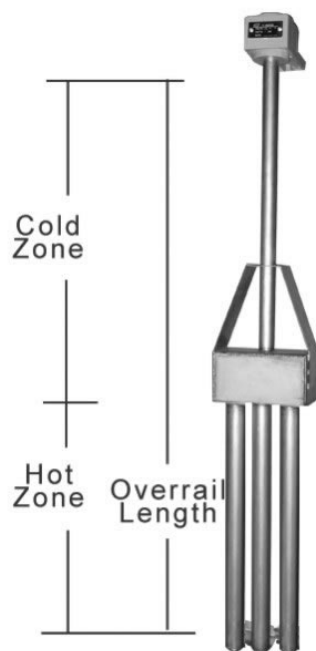
WATTS	VOLTS See pg. 1	HOTZONE In/ (MM)	OVERALL LENGTH In/ (MM)	304 SS	316 SS	TITANIUM	SHIPWGT Lbs/ (kg)
1000	120	13	15	LF1113-R*-**	LS1113-R*-**	LT1113-R*-**	10
	240	330	380	LF1213-R*-**	LS1213-R*-**	LT1213-R*-**	4.5
2000	120	17	19	LF2117-R*-**	LS2117-R*-**	LT2117-R*-**	11
	240	430	485	LF2217-R*-**	LS2217-R*-**	LT2217-R*-**	5
	480			LF2417-R*-**	LS2417-R*-**	LT2417-R*-**	
3000	240	22	25	LF3222-R*-**	LS3222-R*-**	LT3222-R*-**	12
	480	560	635	LF3422-R*-**	LS3422-R*-**	LT3422-R*-**	5.5
4000	240	26	37	LF4226-R*-**	LS4226-R*-**	LT4226-R*-**	13
	480	660	940	LF4426-R*-**	LS4426-R*-**	LT4426-R*-**	6
5000	240	31	50	LF5231-R*-**	LS5231-R*-**	LT5231-R*-**	14
	480	790	1270	LF5431-R*-**	LS5431-R*-**	LT5431-R*-**	6.5
6000	240	36	50	LF6236-R*-**	LS6236-R*-**	LT6236-R*-**	15
	480	915	1270	LF6436-R*-**	LS6436-R*-**	LT6436-R*-**	7
8000	240	44	50	LF8244-R*-**	LS8244-R*-**	LT8244-R*-**	18
	480	1120	1270	LF8444-R*-**	LS8444-R*-**	LT8444-R*-**	8
9000	240	50	50	LF9250-R*-**	LS9250-R*-**	LT9250-R*-**	20
	480	1270	1270	LF9450-R*-**	LS9450-R*-**	LT9450-R*-**	9
10000	240	55	50	LF10255-R*-**	LS10255-R*-**	LT10255-R*-**	22
	480	1400	1270	LF10455-R*-**	LS10455-R*-**	LT10455-R*-**	10

12000	240	64	50	LF12264-R*-**	LS12264-R*-**	LT12264-R*-**	25
	480	1625	1270	LF12464-R*-**	LS12464-R*-**	LT12464-R*-**	11.5
please mention vertical length (inch) behind “R” ,. For example:LS2217-R24-PL is standard single-phase,the three-phase is also available.							

Product Features

- 1.Adopt titanium, zirconium, SUS304 and SUS316 stainless steel to make, divide into vertical and heated at the bottom of "L", "Z" shape.
- 2.According to the installation location , the chemical liquid’s nature, solid matter deposit characteristics in liquid to design the surface power of heat tube and decide the Tube diameter. Diameter general specifications: ø11mm,ø17mm,ø25mm,ø30mm,ø32mm,ø45mm,ø50mm。
- 3.ø11mm, ø17mm tubes are shrinking tube heater, liquid heating, heat pipe surface power 5.6W/Cm2, apply to the mobility, and less solid Body deposition, Liquid does not precipitate in the heating surface of the liquid crystal heating after cooling.
- 4.ø45mm diameter series products adopt low surface power design.
5. Have 120V single-phase voltage, 220V, 380V, 220V three-phase, 380V three-phase, power from 0.5KW to 140KW.
6. All heaters can be ancillary use with over-temperature protection switches and temperature probe.
7. All heaters are adopt international inspection standards and ensure the electrical safety.

3 long-metal-jacket heater



3 long-metal-jacket heater						
WATTS	VOLTS	HOT	304	316	TITANIUM	SHIP
	(See pg. 1)	ZONE	ss	ss		WGT
		In/ (mm)				
18000	240	36	3VF18236-R*-**	3VS18236-R*-**	3VT18236-R*-**	70
	480	(915)	3VF18436-R*-**	3VS18436-R*-**	3VT18436-R*-**	(32)
24000	240	44	3VF24244-R*-**	3VS24244-R*-**	3VT24244-R*-**	75
	480	(1120)	3VF2444-R*-**	3VS2444-R*-**	3VT2444-R*-**	(34)
27000	240	50	3VF27250-R*-**	3VS27250-R*-**	3VT27250-R*-**	80
	480	(1170)	3VF27450-R*-**	3VS27450-R*-**	3VT27450-R*-**	(36)
30000	240	55	3VF30255-R*-**	3VS30255-R*-**	3VT30255-R*-**	87
	480	(1400)	3VF30455-R*-**	3VS30455-R*-**	3VT30455-R*-**	(40)
36000	240	64	3VF36264-R*-**	3VS36264-R*-**	3VT36264-R*-**	100
	480	(1625)	3VF36464-R*-**	3VS36464-R*-**	3VT36464-R*-**	(46)
45000	240	72	3VF45272-R*-**	3VS45272-R*-**	3VT45272-R*-**	120
	480	(1860)	3VF45472-R*-**	3VS45472-R*-**	3VT45472-R*-**	(55)
48000	240	76	3VF48276-R*-**	3VS48276-R*-**	3VT48276-R*-**	125
	480	(1930)	3VF48476-R*-**	3VS48476-R*-**	3VT48476-R*-**	(57)
54000	240	84	3VF54284-R*-**	3VS54284-R*-**	3VT54284-R*-**	140
	480	(2135)	3VF54484-R*-**	3VS54484-R*-**	3VT54484-R*-**	(64)
Please marked the zone length, such as: 3VP18230-P59-PLI。						

Product Features

1. Adopt titanium, zirconium, SUS304 and SUS316 stainless steel to make, divide into vertical and heated at the bottom of "L", "Z" shape.
2. According to the installation location, the chemical liquid's nature, solid matter deposit characteristics in liquid to design the surface power of heat tube and decide the Tube diameter. Diameter general specifications: $\varnothing 11\text{mm}$, $\varnothing 17\text{mm}$, $\varnothing 25\text{mm}$, $\varnothing 30\text{mm}$, $\varnothing 32\text{mm}$, $\varnothing 45\text{mm}$, $\varnothing 50\text{mm}$.
3. $\varnothing 11\text{mm}$, $\varnothing 17\text{mm}$ tubes are shrinking tube heater, liquid heating, heat pipe surface power $5.6\text{W}/\text{Cm}^2$, apply to the mobility, and less solid Body deposition, Liquid does not precipitate in the heating surface of the liquid crystal heating after cooling.
4. $\varnothing 45\text{mm}$ diameter series products adopt low surface power design.
5. Have 120V single-phase voltage, 220V, 380V, 220V three-phase, 380V three-phase, power from 0.5KW to 140KW.
6. All heaters can be ancillary use with over-temperature protection switches and temperature probe.
7. All heaters are adopt international inspection standards and ensure the electrical safety.

Finned heat sink heater



	Finned heat sink heater		
WATTS (KW)	VOLTS	HOT ZONE (mm)	LENGTH (mm)
5	220/380	305	根据结构而定
6	220/380	435	
9	220/381	635	
12	220/382	815	
15	220/383	1020	
18	220/384	1220	

Product Features

- 1.Adopt titanium, zirconium, SUS304 and SUS316 stainless steel to make, divide into vertical and heated the bottom of "L", "Z" shape.
- 2.According to the installation location , the chemical liquid’s nature, solid matter deposit characteristics in liquid to design the surface power of heat tube and decide the Tube diameter. Diameter general specifications: ø11mm,ø17mm,ø25mm,ø30mm,ø32mm,ø45mm,ø50mm。
- 3.ø11mm, ø17mm tubes are shrinking tube heater, liquid heating, heat pipe surface power 5.6W/Cm2, apply to the mobility, and less solid Body deposition, Liquid does not precipitate in the heating surface of the liquid crystal heating after cooling.
- 4.ø45mm diameter series products adopt low surface power design.
- 5. Have 120V single-phase voltage, 220V, 380V, 220V three-phase, 380V three-phase, power from 0.5KW to 140KW.
- 6. All heaters can be ancillary use with over-temperature protection switches and temperature probe.
- 7. All heaters are adopt international inspection standards and ensure the electrical safety.