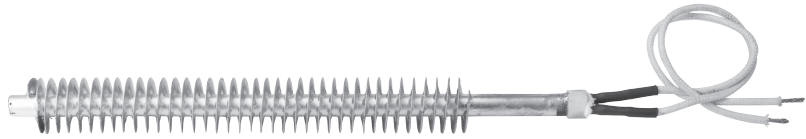


## SFTS & SFTI

### .475" Dia. Single End Fintube® Heaters



- Steel Sheath (type SFTS)
- MONEL® Sheath (type SFTI)
- 500 - 4,350 Watts
- 120, 240 and 480 Volt
- 60 W/In<sup>2</sup>
- 750°F Max. Sheath Temp. (type SFTS)
- 900°F Max. Sheath Temp. (type SFTI)

#### *Applications*

Best suited for the following applications where space is limited.

- Drying
- Heat Treating
- Annealing
- Load Banks
- Curing Ovens, Dryers, Ducts, etc.

#### *Advantages*

**Versatile** — Ideal for both comfort and industrial process air applications.

**Single-End Terminals** simplify wiring and eliminate the need for return wire.

**Install More Elements in Same Space** as standard, double-end Fintube®.

**No Bending** required to put all terminals in the same plane.

**Smaller Heating Duct or Chamber** in some cases.

**Construction** — Element is constructed like the standard single-end tubular element with the addition of continuous spiral fins (4 - 5 per inch) permanently furnace brazed to the sheath.

**Fins** greatly increase surface area and permit faster heat transfer to the air, resulting in lower element surface temperatures.

**High Watt Density** permits use of fewer elements or higher concentration of installed kW for a given area.

**Lead Wires**, 10" long, with silicone-impregnated Fiberglas® sleeves. Maximum wire temperature is 200°C.

**Leads** are attached to terminals inside a ceramic terminal bushing.

#### *Application Tips*

**Terminal Block** should be on outside of duct or heating area.

**Element Supports** should be provided for every two feet of element length.

**Work Temperatures** — See Allowable Watt Density & Heater Selection Graphs G-151 through G-156 in Technical section.

**Special Features** — Sheath material, threaded fittings, length, volts, watts, brackets, etc. Contact your Local Chromalox Sales office for price and availability.

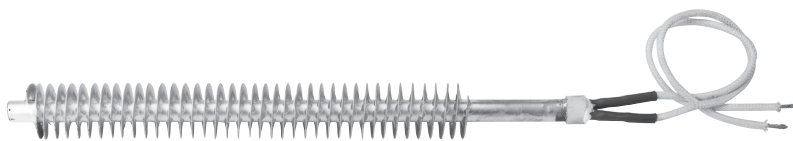
**Bending** is not recommended for single end elements. Contact your Local Chromalox Sales office.

**Stainless Steel Sheath** — Optional. Contact your Local Chromalox Sales office for price and availability.

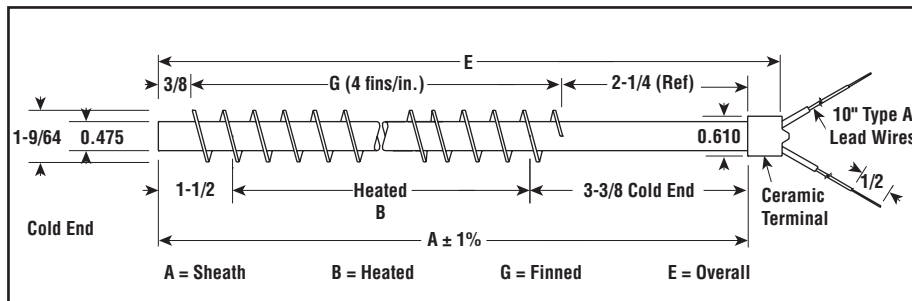
## SFTS & SFTI

.475" Dia. Single  
End Fintube® Heaters

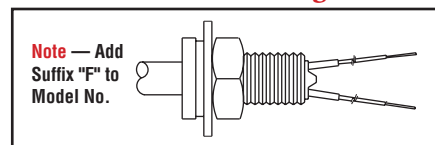
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Dimensions (Inches)



Terminal End with Fitting



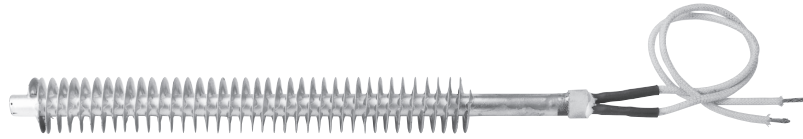
### Specifications and Ordering Information

Watts	W/In <sup>2</sup>	Volts	Dimensions (In.)				Model	Stock	PCN	Model	Stock	PCN	Wt. (Lbs.)
			A	B	E	G							
500	47	120	11-3/4	7-1/8	12-5/8	9-3/8	SFTS-12475	NS	222279	SFTI-12475	NS	222906	1
500	47	240	11-3/4	7-1/8	12-5/8	9-3/8	SFTS-12475	NS	222287	SFTI-12475	NS	222914	1
975	59	120	15-3/4	11-1/8	16-5/8	13-3/8	SFTS-16475	NS	222295	SFTI-16475	NS	222922	1
975	59	240	15-3/4	11-1/8	16-5/8	13-3/8	SFTS-16475	NS	222308	SFTI-16475	NS	222930	1
1,200	41	120	19-3/4	15-1/8	20-5/8	17-3/8	SFTS-20475	NS	222316	SFTI-20475	NS	222949	2
1,200	41	240	19-3/4	15-1/8	20-5/8	17-3/8	SFTS-20475	NS	222324	SFTI-20475	NS	222957	2
1,200	41	480	19-3/4	15-1/8	20-5/8	17-3/8	SFTS-20475	NS	222332	SFTI-20475	NS	222965	2
1,675	59	120	23-3/4	19-1/8	24-5/8	21-3/8	SFTS-24475	NS	222340	SFTI-24475	NS	222973	2
1,675	59	240	23-3/4	19-1/8	24-5/8	21-3/8	SFTS-24475	NS	222359	SFTI-24475	NS	222981	2
1,675	59	480	23-3/4	19-1/8	24-5/8	21-3/8	SFTS-24475	NS	222367	SFTI-24475	NS	222990	2
1,975	57	120	27-3/4	23-1/8	28-5/8	25-3/8	SFTS-28475	NS	222375	SFTI-28475	NS	223001	2
1,975	57	240	27-3/4	23-1/8	28-5/8	25-3/8	SFTS-28475	NS	222383	SFTI-28475	NS	223010	2
1,975	57	480	27-3/4	23-1/8	28-5/8	25-3/8	SFTS-28475	NS	222391	SFTI-28475	NS	223028	2
2,150	53	120	31-3/4	27-1/8	32-5/8	29-3/8	SFTS-32475	NS	222404	SFTI-32475	NS	223036	3
2,300	57	240	31-3/4	27-1/8	32-5/8	29-3/8	SFTS-32475	NS	222412	SFTI-32475	NS	223044	3
2,300	57	480	31-3/4	27-1/8	32-5/8	29-3/8	SFTS-32475	NS	222420	SFTI-32475	NS	223052	3
2,100	45	120	35-3/4	31-1/8	36-5/8	33-3/8	SFTS-36475	NS	222439	SFTI-36475	NS	223060	3
2,700	58	240	35-3/4	31-1/8	36-5/8	33-3/8	SFTS-36475	NS	222447	SFTI-36475	NS	223079	3
2,700	58	480	35-3/4	31-1/8	36-5/8	33-3/8	SFTS-36475	NS	222455	SFTI-36475	NS	223087	3
1,950	37	120	39-3/4	35-1/8	40-5/8	37-3/8	SFTS-40475	NS	222463	SFTI-40475	NS	223095	3
3,150	60	240	39-3/4	35-1/8	40-5/8	37-3/8	SFTS-40475	NS	222471	SFTI-40475	NS	223108	3
3,150	60	480	39-3/4	35-1/8	40-5/8	37-3/8	SFTS-40475	NS	222480	SFTI-40475	NS	223116	3
1,750	30	120	43-3/4	39-1/8	44-5/8	41-3/8	SFTS-44475	NS	222498	SFTI-44475	NS	223124	3
3,500	60	240	43-3/4	39-1/8	44-5/8	41-3/8	SFTS-44475	NS	222500	SFTI-44475	NS	223132	3
3,500	60	480	43-3/4	39-1/8	44-5/8	41-3/8	SFTS-44475	NS	222519	SFTI-44475	NS	223140	3
1,575	25	120	47-3/4	43-1/8	48-5/8	45-3/8	SFTS-48475	NS	222527	SFTI-48475	NS	223159	4
3,850	60	240	47-3/4	43-1/8	48-5/8	45-3/8	SFTS-48475	NS	222535	SFTI-48475	NS	223167	4
3,850	60	480	47-3/4	43-1/8	48-5/8	45-3/8	SFTS-48475	NS	222543	SFTI-48475	NS	223175	4
1,450	21	120	51-3/4	47-1/8	52-5/8	49-3/8	SFTS-52475	NS	222551	SFTI-52475	NS	223183	4
4,225	60	240	51-3/4	47-1/8	52-5/8	49-3/8	SFTS-52475	NS	222560	SFTI-52475	NS	223191	4
4,225	60	480	51-3/4	47-1/8	52-5/8	49-3/8	SFTS-52475	NS	222578	SFTI-52475	NS	223204	4
1,325	17	120	55-3/4	51-1/8	56-5/8	53-3/8	SFTS-56475	NS	222586	SFTI-56475	NS	223212	4
4,400	58	240	55-3/4	51-1/8	56-5/8	53-3/8	SFTS-56475	NS	222594	SFTI-56475	NS	223220	4
4,400	58	480	55-3/4	51-1/8	56-5/8	53-3/8	SFTS-56475	NS	222607	SFTI-56475	NS	223239	4
1,225	15	120	59-3/4	55-1/8	60-5/8	57-3/8	SFTS-60475	NS	222615	SFTI-60475	NS	223247	5
4,350	53	240	59-3/4	55-1/8	60-5/8	57-3/8	SFTS-60475	NS	222623	SFTI-60475	NS	223255	5
4,350	53	480	59-3/4	55-1/8	60-5/8	57-3/8	SFTS-60475	NS	222631	SFTI-60475	NS	223263	5

Stock Status: S = stock NS = non-stock  
To Order—Specify model, PCN, watts, volts and quantity.

## SFTS & SFTI

### .315" Dia. Single End Fintube® Heaters



- Steel Sheath (type SFTS)
- MONEL® Sheath (type SFTI)
- 325 - 2,400 Watts
- 120 and 240 Volt
- 60 W/in<sup>2</sup>
- 750°F Max. Sheath Temp. (type SFTS)
- 900°F Max. Sheath Temp. (type SFTI)

#### Applications

Best suited for the following applications where space is limited.

- Drying
- Heat Treating
- Annealing
- Load Banks
- Curing Ovens, Dryers, Ducts, etc.

#### Advantages

**Versatile** — Ideal for both comfort and industrial process air applications.

**Single-End Terminals** simplify wiring and eliminate the need for return wire.

**Install More Elements in Same Space** as standard, double-end Fintube®.

**No Bending** required to put all terminals in the same plane.

**Smaller Heating Duct or Chamber** in some cases.

**Construction** — Element is constructed like the standard single-end tubular element with the addition of continuous spiral fins (4 - 5 per inch) permanently furnace brazed to the sheath.

**Fins** greatly increase surface area and permit faster heat transfer to the air, resulting in lower element surface temperatures.

**High Watt Density** permits use of fewer elements or higher concentration of installed kW for a given area.

**Lead Wires**, 10" long, with silicone-impregnated Fiberglas® sleeves. Maximum wire temperature is 200°C.

**Leads** are attached to terminals inside a ceramic terminal bushing.

#### Application Tips

**Terminal Block** should be on outside of duct or heating area.

**Element Supports** should be provided for every two feet of element length.

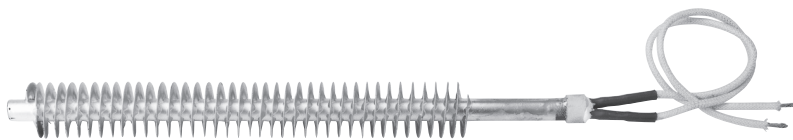
**Work Temperatures** — See Allowable Watt Density & Heater Selection Graphs G-151 through G-156 in Technical section.

**Special Features** — Sheath material, threaded fittings, length, volts, watts, brackets, etc. Contact your Local Chromalox Sales office for price and availability.

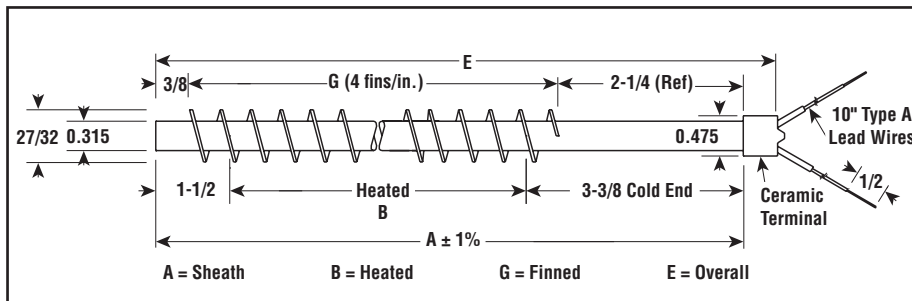
**Bending** is not recommended for single end elements. Contact your Local Chromalox Sales office.

## SFTS & SFTI

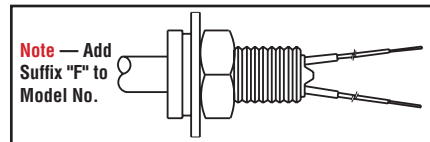
.315" Dia. Single End  
Fintube® Heaters (*cont'd.*)



*Dimensions (Inches)*



*Terminal End with Fitting*



### Specifications and Ordering Information

Watts	W/In <sup>2</sup>	Volts	Dimensions (In.)				Steel Sheath			MONEL® Sheath			Wt. (Lbs.)
			A	B	E	G	Model	Stock	PCN	Model	Stock	PCN	
325	45	120	11-7/8	7-1/4	12-5/8	9-1/2	SFTS-12315	NS	222017	SFTI-12315	NS	222640	1
325	45	240	11-7/8	7-1/4	12-5/8	9-1/2	SFTS-12315	NS	222025	SFTI-12315	NS	222658	1
500	45	120	15-7/8	11-1/4	16-5/8	13-1/2	SFTS-16315	NS	222033	SFTI-16315	NS	222666	1
500	45	240	15-7/8	11-1/4	16-5/8	13-1/2	SFTS-16315	NS	222041	SFTI-16315	NS	222674	1
700	46	120	19-7/8	15-1/4	20-5/8	17-1/2	SFTS-20315	NS	222050	SFTI-20315	NS	222682	1
700	46	240	19-7/8	15-1/4	20-5/8	17-1/2	SFTS-20315	NS	222068	SFTI-20315	NS	222690	1
1,200	63	120	23-7/8	19-1/4	24-5/8	21-1/2	SFTS-24315	NS	222076	SFTI-24315	NS	222703	1
1,150	60	240	23-7/8	19-1/4	24-5/8	21-1/2	SFTS-24315	NS	222084	SFTI-24315	NS	222711	1
1,200	52	120	27-7/8	23-1/4	28-5/8	25-1/2	SFTS-28315	NS	222092	SFTI-28315	NS	222720	1
1,300	56	240	27-7/8	23-1/4	28-5/8	25-1/2	SFTS-28315	NS	222105	SFTI-28315	NS	222738	1
1,200	45	120	31-7/8	27-1/4	32-5/8	29-1/2	SFTS-32315	NS	222113	SFTI-32315	NS	222746	2
1,600	59	240	31-7/8	27-1/4	32-5/8	29-1/2	SFTS-32315	NS	222121	SFTI-32315	NS	222754	2
1,200	39	120	35-7/8	31-1/4	36-5/8	33-1/2	SFTS-36315	NS	222130	SFTI-36315	NS	222762	2
1,900	61	240	35-7/8	31-1/4	36-5/8	33-1/2	SFTS-36315	NS	222148	SFTI-36315	NS	222770	2
1,200	34	120	39-7/8	35-1/4	40-5/8	37-1/2	SFTS-40315	NS	222156	SFTI-40315	NS	222789	2
2,200	63	240	39-7/8	35-1/4	40-5/8	37-1/2	SFTS-40315	NS	222164	SFTI-40315	NS	222797	2
1,200	31	120	43-7/8	39-1/4	44-5/8	41-1/2	SFTS-44315	NS	222172	SFTI-44315	NS	222800	2
2,250	58	240	43-7/8	39-1/4	44-5/8	41-1/2	SFTS-44315	NS	222180	SFTI-44315	NS	222818	2
1,200	28	120	47-7/8	43-1/4	48-5/8	45-1/2	SFTS-48315	NS	222199	SFTI-48315	NS	222826	2
2,400	56	240	47-7/8	43-1/4	48-5/8	45-1/2	SFTS-48315	NS	222201	SFTI-48315	NS	222834	2
1,200	26	120	51-7/8	47-1/4	52-5/8	49-1/2	SFTS-52315	NS	222210	SFTI-52315	NS	222842	2
2,400	51	240	51-7/8	47-1/4	52-5/8	49-1/2	SFTS-52315	NS	222228	SFTI-52315	NS	222850	2
1,150	23	120	55-7/8	51-1/4	56-5/8	53-1/2	SFTS-56315	NS	222236	SFTI-56315	NS	222869	3
2,400	47	240	55-7/8	51-1/4	56-5/8	53-1/2	SFTS-56315	NS	222244	SFTI-56315	NS	222877	3
1,075	20	120	59-7/8	55-1/4	60-5/8	57-1/2	SFTS-60315	NS	222252	SFTI-60315	NS	222885	3
2,400	44	240	59-7/8	55-1/4	60-5/8	57-1/2	SFTS-60315	NS	222260	SFTI-60315	NS	222893	3

**Stock Status:** S = stock NS = non-stock  
**To Order**—Specify model, PCN, watts, volts and quantity.