

FINNED TUBULAR AIR HEATING ELEMENTS

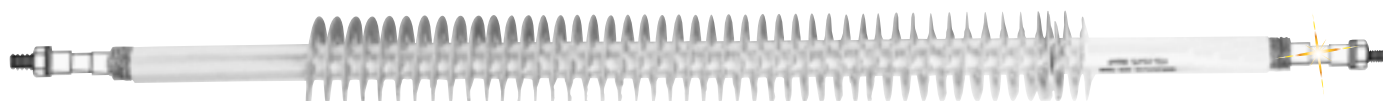
0.80 cm (0.315") Diameter Sheath

FTS Series
Starts at

\$53



FTS Series, \$53, shown smaller than actual size.



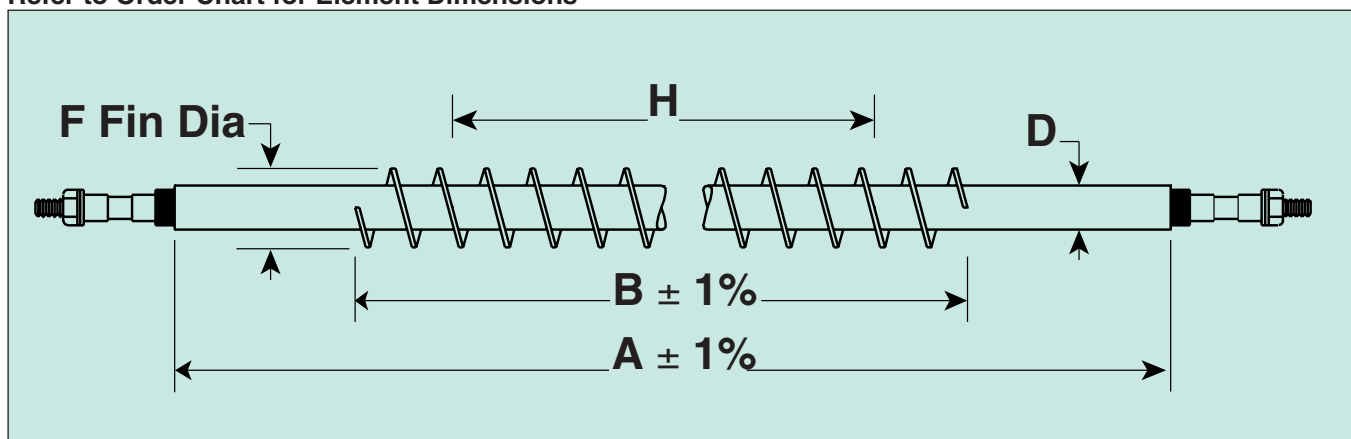
- ✓ Max Sheath Temperature 455°C (850°F)
- ✓ Fins for Fast Heat Transfer
- ✓ 725 to 5000 Watts
- ✓ 120 and 240 Vac

APPLICATIONS

- ✓ Drying
- ✓ Heat Treating
- ✓ Annealing
- ✓ Load Banks
- ✓ Curing

Finned tubular air heating elements are constructed like basic tubular elements 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 air, resulting in lower surface element temperatures.

Refer to Order Chart for Element Dimensions



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Watts	Volts	Dimensions cm (in)				Model No.	Price
		A	B	F	H		
0.80 cm (0.315") Sheath Diameter (D) Approximately 60 W/sq. in.							
500	120	38 (15)	26.7 (10½)	2.14 (.844)	20.2 (8¼)	FTS-015315/120	\$53
1025	120	61 (24)	49.5 (19½)	2.14 (.844)	42.3 (17¼)	FTS-024315/120	90
1750	120	91 (36)	80 (31½)	2.14 (.844)	71.1 (29¾)	FTS-036315/120	132
2450	240	122 (48)	110 (43½)	2.14 (.844)	101.1 (41¼)	FTS-048315/240	173
3500	240	160 (63)	149 (58½)	2.14 (.844)	137.8 (56¼)	FTS-063315/240	232

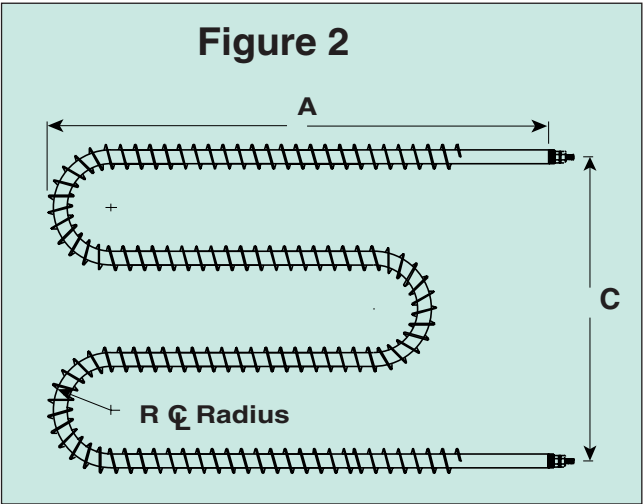
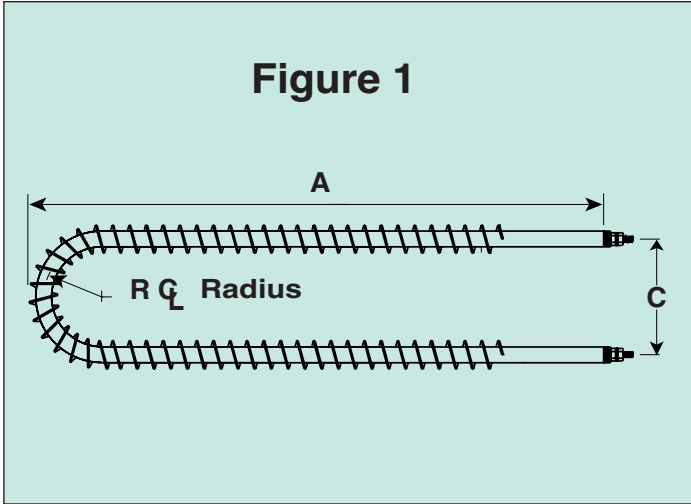
Ordering Example: FTS-024315/120, a 55.8 cm (24") 120 Vac finned air heater, \$90.

Note: Other heaters with Monel® sheath [max temperature 565°C (1050°F)] are available. Contact OMEGALUX® at 1-800-826-6342.



1.2 cm (0.475") Diameter Sheath and Bending Information

Dimensions for Factory Bending (Examples)



FINNED TUBULAR ELEMENT BENDING— ELEMENTS MAY BE FIELD OR FACTORY BENT ACCORDING TO THE FOLLOWING PARAMETERS:

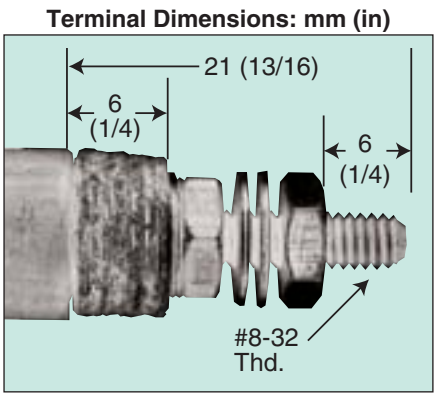
Finned Tubular Bending—Dimensions cm (in)

Element Dia cm (in)	Factory Min C	Bending Min R	Customer Min C	Bending Min R
Figure 1*				
0.800 (0.315)	5.87 (2 ⁵ / ₁₆)	2.78 (1 ³ / ₃₂)	5.87 (2 ⁵ / ₁₆)	2.94 (1 ⁵ / ₃₂)
1.20 (0.475)	8.57 (3 ³ / ₈)	4.29 (1 ¹¹ / ₁₆)	8.57 (3 ³ / ₈)	4.29 (1 ¹¹ / ₁₆)

* The overall length of A will be slightly less than one-half the original sheath length, depending on bending radius.

Figure 2**				
0.800 (0.315)	17.6 (6 ¹⁵ / ₁₆)	2.62 (1 ¹ / ₃₂)	24.8 (9 ³ / ₄)	2.62 (1 ¹ / ₃₂)
1.20 (0.475)	25.7 (10 ¹ / ₈)	4.29 (1 ¹¹ / ₁₆)	34.4 (13 ⁹ / ₁₆)	4.29 (1 ¹¹ / ₁₆)

** The overall length of A will be approximately 3.8 cm (1¹/₂") longer than one-fourth of the original sheath length depending on the bending radius R.
Note: the start of any bends should be no closer than 8.7 cm (3³/₈") for 1.2 cm (0.475") dia. or 9.2 cm (3³/₈") for 0.8 cm (0.315") elements, from the end of the sheath to prevent the heating element/cold pin junction from being located in the bend.



CAUTION AND WARNING!
Fire and electrical shock may result if products are used improperly or installed or used by non-qualified personnel.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)							
Watts	Volts	Dimensions cm (in)				Model No.	Price
		A	B	F	H		
1.2 cm (0.475) Sheath Diameter (D) Approximately 9.3 W/cm² (60 W/in²)							
725	120	38 (15)	26.7 (10½)	2.90 (1.14)	22 (8⅝)	FTS-015475/120	\$69
1450	120	61 (24)	49.5 (19½)	2.90 (1.14)	45 (17⅞)	FTS-024475/120	105
2450	240	91 (36)	80 (31½)	2.90 (1.14)	75 (29⅞)	FTS-036475/240	154
3450	240	122 (48)	110 (43½)	2.90 (1.14)	106 (41⅝)	FTS-048475/240	202
5000	240	160 (63)	149 (58½)	2.90 (1.14)	144 (56⅝)	FTS-063475/240	269

Ordering Example: FTS-024475/120, a 61 cm (24") long, 1.2 cm (0.475") diameter sheath, 120 Vac finned air heater, \$105.
Note: Bending and other heaters with monel sheath [(max temperature 565°C (1050°F)] are available. Contact OMEGALUX® at 1-800-TC-OMEGA, 1-800-826-6342.

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