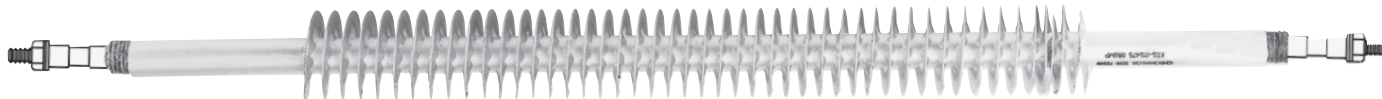


FINNED TUBULAR AIR HEATING ELEMENTS

0.80 cm (0.315") Diameter Sheath

FTS Series

FTS-015315/120 shown smaller than actual size.



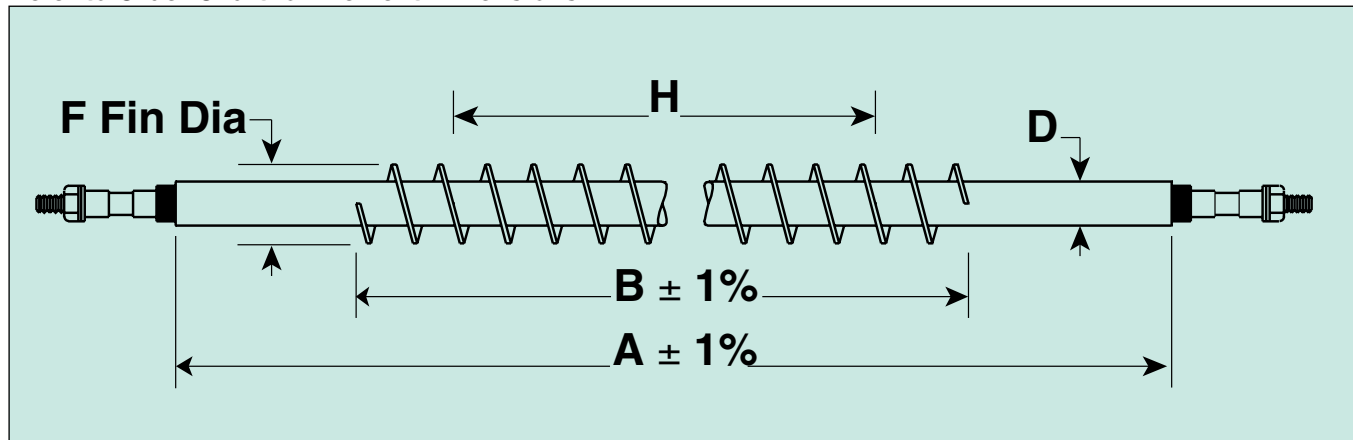
- ✓ Max Sheath Temperature 455°C (850°F)
- ✓ Fins for Fast Heat Transfer
- ✓ 725 to 5000 Watts
- ✓ 120 and 240 Vac

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



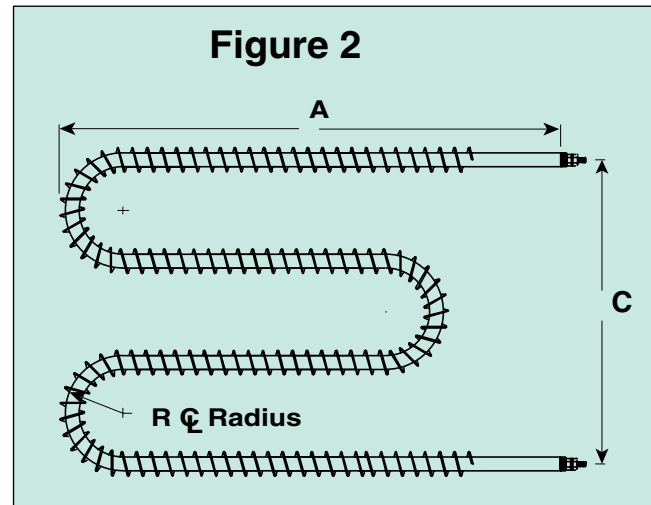
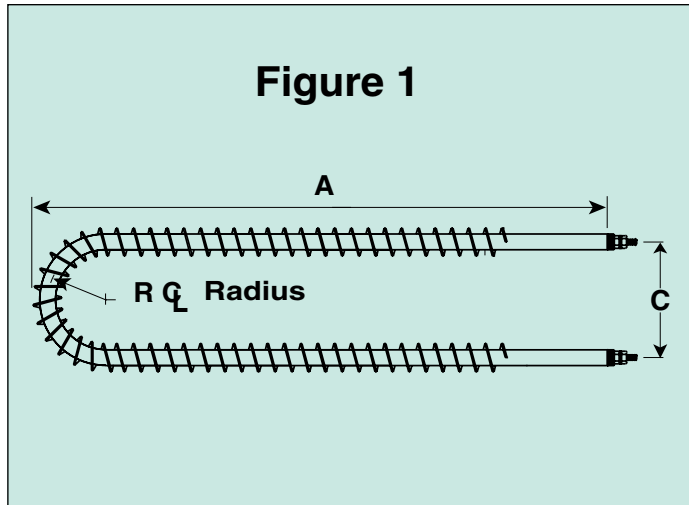
To Order

Watts	Volts	Dimensions cm (in)				Model No.
		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 (0.844)	20.2 (8¼)	FTS-015315/120
1025	120	61 (24)	49.5 (19½)	2.14 (0.844)	42.3 (17¼)	FTS-024315/120
1750	120	91 (36)	80 (31½)	2.14 (0.844)	71.1 (29¼)	FTS-036315/120
2450	240	122 (48)	110 (43½)	2.14 (0.844)	101.1 (41¼)	FTS-048315/240
3500	240	160 (63)	149 (58½)	2.14 (0.844)	137.8 (56¼)	FTS-063315/240

Note: Other heaters with Mone® sheath [max temperature 565°C (1050°F)] are available. Contact OMEGALUX®.
Ordering Example: FTS-024315/120, 55.8 cm (24"), 120 Vac finned air heater.

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)

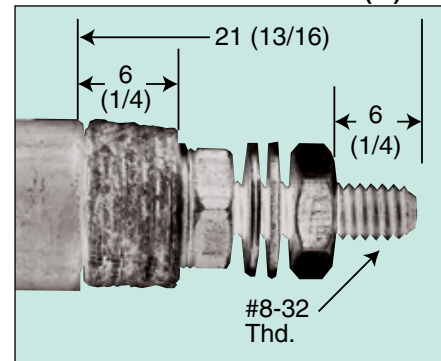
Element Dia cm (in)	Factory Min C	Bending Min R	Customer Min C	Bending Min R
Figure 1*				
0.800 (0.315)	5.87 (2 ⁵ / ₁₆)	2.78 (1 ³ / ₃₂)	5.87 (2 ⁵ / ₁₆)	2.94 (1 ⁵ / ₃₂)
1.20 (0.475)	8.57 (3 ³ / ₈)	4.29 (1 ¹¹ / ₁₆)	8.57 (3 ³ / ₈)	4.29 (1 ¹¹ / ₁₆)

* 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.
 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 (3⁵/₈") 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.

Terminal Dimensions: mm (in)



CAUTION AND WARNING!

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

To Order						
Watts	Volts	Dimensions: cm (in)				Model No.
		A	B	F	H	
0.80 cm (0.315") Sheath Diameter (D) Approximately 60 W/sq. in.						
725	120	38 (15)	26.7 (10 ¹ / ₂)	2.90 (1.14)	22 (8 ⁵ / ₈)	FTS-015475/120
1450	120	61 (24)	49.5 (19 ¹ / ₂)	2.90 (1.14)	45 (17 ⁵ / ₈)	FTS-024475/120
2450	240	91 (36)	80 (31 ¹ / ₂)	2.90 (1.14)	75 (29 ⁵ / ₈)	FTS-036475/240
3450	240	122 (48)	110 (43 ¹ / ₂)	2.90 (1.14)	106 (41 ⁵ / ₈)	FTS-048475/240
5000	240	160 (63)	149 (58 ¹ / ₂)	2.90 (1.14)	144 (56 ⁵ / ₈)	FTS-063475/240

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