

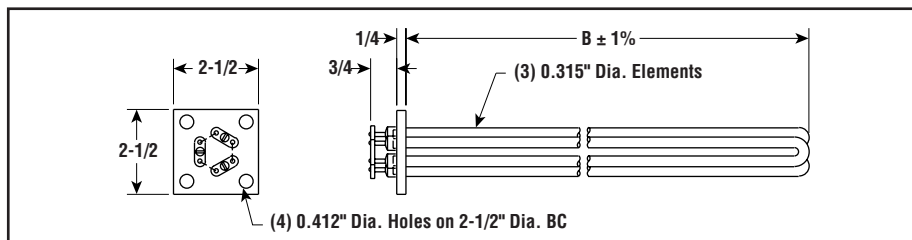
# Immersion

## TTSF Boiler & Water Applications

- 2-1/2 x 2-1/2" Square Brass or Steel Flange
- Copper or INCOLOY® Sheath Elements
- High Watt Densities (See Table)
- 5 - 18 kW
- 208, 240 and 480 Volt, Three Phase



Dimensions (Inches)



Specifications and Ordering Information

kW	Volts	W/in <sup>2</sup>	CKT & Phase	DIM B (In.)	Model	Stock	PCN	Wt. (Lbs.)
<b>Steam Boiler — INCOLOY® Sheath Elements — Steel Flange</b>								
5	208	93	1 - 3	12	TTSFISF-317-50B	NS	203123	2
5	240	93	1 - 3	12	TTSFISF-317-50B	NS	203131	2
10	208	78	1 - 3	24-7/16	TTSFISF-317-100B	NS	202526	3
10	240	78	1 - 3	24-7/16	TTSFISF-317-100B	S	202534	3
10	480	78	1 - 3	24-7/16	TTSFISF-317-100B	S	202542	3
15	208	81	1 - 3	34	TTSFISF-317-150B	NS	202497	4
15	240	81	1 - 3	34	TTSFISF-317-150B	NS	202500	4
15	480	81	1 - 3	34	TTSFISF-317-150B	S	202489	4
<b>Water — Copper Sheath Elements — Brass Flange</b>								
13.5	208	184	1 - 3	13-7/16	TTSFBF-310-135	NS	292550	2
13.5	480	184	1 - 3	13-7/16	TTSFBF-310-135	NS	292568	2
15	480	155	1 - 3	17-7/16	TTSFBF-310-150	S	292541	3
18	480	153	1 - 3	21-1/16	TTSFBF-310-180	S	292533	4

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

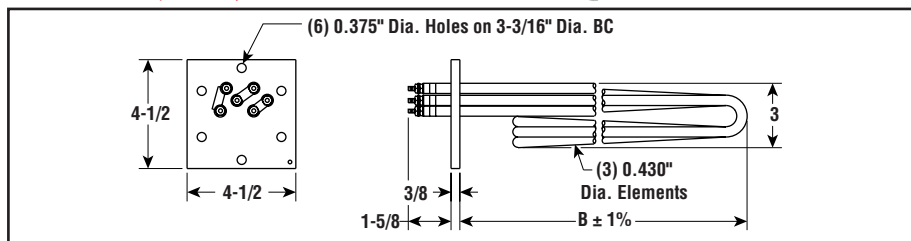
FLANGED

## WCSF Boiler Replacement Elements

- 4-1/2 x 4-1/2" Square Steel Flange with Zinc Coating
- Copper Sheath Elements
- High Watt Densities (See Table)
- 12 - 22.5 kW
- 208, 240 and 480 Volt, Three Phase



Dimensions (Inches)



Specifications and Ordering Information

kW	Volts	W/in <sup>2</sup>	CKT & Phase	DIM B (In.)	Model	Stock	PCN	Wt. (Lbs.)
12	208	80	1 - 3	10-3/8	WCSF-347-120B-45	AS	800278	6
12	240	80	1 - 3	10-3/8	WCSF-347-120B-45	AS	800155	6
12	480	80	1 - 3	10-3/8	WCSF-347-120B-45	AS	807189	6
17	208	109	1 - 3	10-3/8	WCSF-345-170B-45	AS	807576	6
17	240	109	1 - 3	10-3/8	WCSF-345-170B-45	AS	807517	6
17	480	109	1 - 3	10-3/8	WCSF-345-170B-45	AS	807091	6
20	208	131	1 - 3	10-3/8	WCSF-340-200B-45	AS	810687	6
20	230	131	1 - 3	10-3/8	WCSF-340-200B-45	AS	806397	6
20	240	131	1 - 3	10-3/8	WCSF-340-200B-45	AS	810695	6
22.5	480	99	1 - 3	15-5/16	WCSF-347-225B-45	AS	809192	6

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