



Over-the-Side Immersion Heaters

Typical Heating Applications: Citric and Phosphoric Acid Solutions • Water-Based Chemical Solutions

Design Features

- * Incoloy® Sheath Heating Elements
- * NEMA 4 Terminal Housing
- * Watt Density of 23 watts/in² (3.6 watts/cm²)

Standard (Non-Stock) and Stock Sizes and Electrical Ratings

Stock Items Are Shown In RED

Element Shape	"A"		"B"		KW	Part Number		Approximate Net Weight	
	in	mm	in	mm		240V-3Ph	480V-3Ph	lbs	kg
Round	39 ³ / ₁₆	999	13 ¹ / ₂	343	3	TAT20007	TAT20008	17	8
	51 ³ / ₁₆	1303	18 ¹ / ₂	470	6	TAT20009	TAT20010	20	9
	51 ³ / ₁₆	1303	23 ¹ / ₂	597	9	TAT20011	TAT20012	22	10
Straight	39 ³ / ₁₆	999	22 ³ / ₈	575	3	TAT10007	TAT10008	15	7
	51 ³ / ₁₆	1303	37 ³ / ₈	956	6	TAT10009	TAT10010	18	8
	51 ³ / ₁₆	1303	52 ³ / ₈	1337	9	TAT10011	TAT10012	20	9

Typical Heating Applications: Process Water • Mild Caustic Solutions (2% max.) • Clean Water

Design Features

- * Incoloy® Sheath Heating Elements
- * NEMA 4 Terminal Housing
- * Watt Density of 42 watts/in² (7.4 watts/cm²)

Standard (Non-Stock) and Stock Sizes and Electrical Ratings

Stock Items Are Shown In RED

Element Shape	"A"		"B"		KW	Part Number		Approximate Net Weight	
	in	mm	in	mm		240V-3Ph	480V-3Ph	lbs	kg
Round	39 ³ / ₁₆	999	10 ³ / ₄	273	3	TAT20013	TAT20014	16	7
	39 ³ / ₁₆	999	13 ¹ / ₂	343	6	TAT20015	TAT20016	17	8
	39 ³ / ₁₆	999	16	406	9	TAT20017	TAT20018	18	8
	51 ³ / ₁₆	1303	18 ¹ / ₂	470	12	TAT20019	TAT20020	20	9
	51 ³ / ₁₆	1303	21 ¹ / ₄	540	15	TAT20021	TAT20022	21	10
	51 ³ / ₁₆	1303	23 ¹ / ₂	597	18	TAT20023	TAT20024	22	10
Straight	39 ³ / ₁₆	999	14 ³ / ₈	371	3	TAT10013	TAT10014	14	6
	39 ³ / ₁₆	999	22 ³ / ₈	575	6	TAT10015	TAT10016	15	7
	39 ³ / ₁₆	999	30 ³ / ₈	765	9	TAT10017	TAT10018	16	7
	51 ³ / ₁₆	1303	37 ³ / ₈	956	12	TAT10019	TAT10020	18	8
	51 ³ / ₁₆	1303	45 ³ / ₈	1146	15	TAT10021	TAT10022	19	9
	51 ³ / ₁₆	1303	52 ³ / ₈	1337	18	TAT10023	TAT10024	20	9

Ordering Information

Catalog Heaters

Over-the-Side Immersion Heater Part Numbers in red are in stock for immediate delivery.

Non-Stock Part Numbers are standard designs that are stocked as sub-assemblies for 2-3 week delivery.

Custom Engineered/Manufactured Heaters

An electric heater can be very application specific, for sizes and ratings not listed, **TEMPCO** will design and manufacture an Over-the-Side Immersion Heater to meet your requirements.

Standard lead time is Stock to 3 weeks.

Please Specify the following:

- Application
- Wattage, Voltage and Phase
- Element Sheath Material
- Number of Elements
- Element Watt Density
- "A" and "B" dimensions
- Optional Features
- Quantity

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.