



Screw Plug Immersion Heaters



- NEMA 1 housing, except 4E274 to 4E279
- WITH THERMOSTAT**
- Control range: copper, 60° to 250°F; steel (Vulcan models), 100° to 550°F; steel (Tempco models), 60° to 250°F

- WITHOUT THERMOSTAT**
- Require external flow switch, low-liquid cutoff switch, over-temp. switch, or other safety device depending on the type of system.
- AUTOMATIC RESET**
- Control range: 110° to 190°F

NPT	Min. Immersion Depth	Watts	Heater Voltage	Phase	Watt Density	WITH THERMOSTAT			WITHOUT THERMOSTAT			
						Brand	Mfr. Model	Item No.	Watt Density	Brand	Mfr. Model	Item No.
Brass Screw Plug and Copper Sheath												
1 in	6 3/8 in	500 W	120V AC	1	46 sq in	Tempco	TSP02078	2VXR8	46 sq in	Tempco	TSP02007	2VXR9
1 in	6 3/8 in	750 W	120V AC	1	69 sq in	Tempco	TSP02079	2VXT1	69 sq in	Tempco	TSP02097	2VXT2
1 in	6 3/8 in	1,000 W	120V AC	1	92 sq in	Tempco	TSP02080	2VXT3	92 sq in	Tempco	TSP02096	2VXT4
1 in	9 1/4 in	1,500 W	120V AC	1	90 sq in	Tempco	TSP02081	2VXT5	90 sq in	Tempco	TSP02099	2VXT6
1 1/4 in	6 in	1,000 W	120V AC	1	90 sq in	Tempco	TSP03260	6THT3	83 sq in	Vulcan	ASW110A	4E274
1 1/4 in	6 in	1,000 W	240V AC	1	90 sq in	Tempco	TSP03261	6THT4	83 sq in	Vulcan	ASW110B	4E275
1 1/4 in	6 1/2 in	2,000 W	120V AC	1	94 sq in	Tempco	TSP03262	6THT5	80 sq in	Vulcan	ASW120A	4E278
1 1/4 in	6 1/2 in	2,000 W	240V AC	1	94 sq in	Tempco	TSP03263	6THT6	80 sq in	Vulcan	ASW120B	4E279
1 1/4 in	7 1/4 in	1,500 W	120V AC	1	61 sq in	Tempco	TSP02082	2VXT7	61 sq in	Tempco	TSP02100	2VXT8
1 1/4 in	9 in	1,500 W	120V AC	1	84 sq in	Tempco	TSP03264	6THT7	84 sq in	Vulcan	ASW115A	4E276
1 1/4 in	9 in	1,500 W	240V AC	1	84 sq in	Tempco	TSP03265	6THT8	84 sq in	Vulcan	ASW115B	4E277
1 1/4 in	9 1/4 in	2,000 W	120V AC	1	61 sq in	Tempco	TSP02084	2VXT9	61 sq in	Tempco	TSP02102	2VXU1
2 in	8 in	2,000 W	120V AC	1	48 sq in	Vulcan	AUW220A	4E280	—	—	—	—
2 in	8 in	2,000 W	240V AC	1	48 sq in	Vulcan	AUW220B	4E281	—	—	—	—
2 in	10 in	3,000 W	240V AC	3	45 sq in	Tempco	TSP02085	2VXU2	45 sq in	Tempco	TSP02103	2VXU3
2 in	11 in	4,000 W	240V AC	3	54 sq in	Tempco	TSP02086	2VXU4	54 sq in	Tempco	TSP02104	2VXU5
2 in	11 in	5,000 W	240V AC	3	67 sq in	Tempco	TSP02087	2VXU6	67 sq in	Tempco	TSP02105	2VXU7
2 in	11 in	5,000 W	480V AC	3	67 sq in	Tempco	TSP02088	2VXU8	67 sq in	Tempco	TSP02106	2VXV1
2 in	11 7/8 in	1,500 W	120V AC	1	48 sq in	Vulcan	AUW215A	2E931	—	—	—	—
2 in	11 7/8 in	3,000 W	120V AC	1	48 sq in	Vulcan	AUW230A	4E282	—	—	—	—
2 in	11 7/8 in	3,000 W	240V AC	1	48 sq in	Vulcan	AUW230B	4E283	—	—	—	—
2 in	16 in	7,500 W	240V AC	3	65 sq in	Tempco	TSP02089	2VXV3	65 sq in	Tempco	TSP02107	2VXV5
2 in	16 in	7,500 W	480V AC	3	65 sq in	Tempco	TSP02090	2VXV7	65 sq in	Tempco	TSP02008	2VXV9
2 in	19 3/4 in	5,000 W	240V AC	1	48 sq in	Vulcan	AUW250B	2E932	—	—	—	—
2 in	22 in	10,000 W	240V AC	3	61 sq in	Tempco	TSP02091	2VXW2	61 sq in	Tempco	TSP02009	2VXW4
2 in	22 in	10,000 W	480V AC	3	61 sq in	Tempco	TSP02092	2VXW6	61 sq in	Tempco	TSP02022	2VXW8
2 1/2 in	32 1/4 in	12,000 W	480V AC	3	44 sq in	Tempco	TSP02093	2VXX1	44 sq in	Tempco	TSP02108	2VXX3
2 1/2 in	47 3/8 in	18,000 W	480V AC	3	44 sq in	Tempco	TSP02095	2VXX5	44 sq in	Tempco	TSP02110	2VXX7
Brass Screw Plug and Copper Sheath, Automatic Reset, Low Limit Cutout												
1 in	9 1/8 in	1,000 W	120V AC	1	31 sq in	Vulcan	WTP906A	2E927	—	—	—	—
1 in	10 1/8 in	1,500 W	120V AC	1	41 sq in	Vulcan	WTP910A	2E928	—	—	—	—
Stainless Steel Screw Plug and 304 SS Sheath												
1 in	6 3/8 in	500 W	120V AC	1	48 sq in	Tempco	TSP02011	2VYP8	48 sq in	Tempco	TSP02241	2VYR1
1 in	6 3/8 in	750 W	120V AC	1	70 sq in	Tempco	TSP02227	2VYR3	70 sq in	Tempco	TSP02295	2VYR5
1 in	6 3/8 in	1,000 W	120V AC	1	94 sq in	Tempco	TSP02228	2VYR7	94 sq in	Tempco	TSP02242	2VYR9
1 in	9 1/4 in	1,500 W	120V AC	1	63 sq in	Tempco	TSP02230	2VYT2	63 sq in	Tempco	TSP02244	2VYT4
Stainless Steel Screw Plug and 316 SS Sheath												
1 in	6 3/8 in	1,000 W	120V AC	1	94 sq in	Tempco	TSP02791	2VYN5	94 sq in	Tempco	TSP02792	2VYN7
1 in	9 1/4 in	1,500 W	120V AC	1	63 sq in	Tempco	TSP02793	2VYN9	63 sq in	Tempco	TSP02459	2VYP2
1 1/4 in	9 1/4 in	2,000 W	120V AC	1	61 sq in	Tempco	TSP02794	2VYP4	61 sq in	Tempco	TSP02795	2VYP6
Steel Screw Plug and Steel Sheath												
1 in	12 3/4 in	475 W	120V AC	1	21 sq in	Tempco	TSP02204	2VYH9	21 sq in	Tempco	TSP02216	2VYJ2
1 1/4 in	12 3/4 in	1,000 W	120V AC	1	23 sq in	Tempco	TSP02205	2VYJ4	23 sq in	Tempco	TSP02217	2VYJ6
1 1/4 in	18 1/2 in	1,500 W	120V AC	1	23 sq in	Tempco	TSP02208	2VYJ8	23 sq in	Tempco	TSP02220	2VYK1
2 in	11 3/4 in	1,500 W	120V AC	1	23 sq in	Vulcan	AUO215A	2E933	—	—	—	—
2 in	18 in	3,000 W	240V AC	3	21 sq in	Tempco	TSP02209	2VYK3	21 sq in	Tempco	TSP02221	2VYK5
2 in	29 in	5,000 W	240V AC	3	21 sq in	Tempco	TSP02210	2VYK7	21 sq in	Tempco	TSP02222	2VYK9
2 in	29 in	5,000 W	480V AC	3	21 sq in	Tempco	TSP02211	2VYL2	21 sq in	Tempco	TSP02223	2VYL4
2 in	40 3/8 in	5,000 W	240V AC	1	23 sq in	Vulcan	AUO250B	2E934	—	—	—	—
2 in	43 1/2 in	7,500 W	480V AC	3	21 sq in	Tempco	TSP02213	2VYL6	21 sq in	Tempco	TSP02010	2VYL8
2 in	57 1/2 in	10,000 W	480V AC	3	21 sq in	Tempco	TSP02215	2VYN1	21 sq in	Tempco	TSP02226	2VYN3



Drum Immersion and Bottom-Outlet Heaters

- Single phase
- Drum Immersion**—Include flange for mounting in 2" bung opening.
- Over-the-Side**—Feature sludge legs to elevate element off bottom of open container.
- Bottom-Outlet**—4" metal housing protects heater termination. Ring clamp mounting design with a bronze flange for mounting in a 2 1/16"-dia. hole.
- Sanitizing Sink/Tank Immersion**—Adjustable stainless steel mounting bracket and 6-ft. cord set with polarized plug included.

Watts	Watt Density	Sheath Material	Overall Length*	Riser Height	Control Range	Heater Voltage	Brand	Mfr. Model	Item No.
Drum Immersion Heaters									
1,000 W	8 sq in	Stainless Steel	19 1/2 in	36 in	60° to 250°F	120V AC	Tempco	TAT30002	2VYH2
4,000 W	32 sq in	Stainless Steel	19 1/2 in	36 in	60° to 250°F	240V AC	Tempco	TAT30001	2VYH4
12,000 W	40 sq in	Steel	19 1/2 in	36 in	60° to 250°F	120V AC	Tempco	TAT30005	2VYH6
4,000 W	32 sq in	Steel	19 1/2 in	36 in	60° to 250°F	240V AC	Tempco	TAT30006	2VYH8
Over-the-Side Immersion Heaters									
9,000 W	40 sq in	Incoloy(R)	17 in	36 in	—	240V AC	Vulcan	TIB-39TB	3HT86 †
12,000 W	40 sq in	Incoloy(R)	40 1/4 in	54 in	—	240V AC	Vulcan	TI-312TB	3HT66
6,000 W	20 sq in	Steel	40 1/4 in	54 in	—	240V AC	Vulcan	TS-36TB	3HT90
3,000 W	40 sq in	Incoloy(R)	13 in	36 in	—	240V AC	Vulcan	TI-33TB	3HT72
9,000 W	40 sq in	Incoloy(R)	31 1/2 in	36 in	—	240V AC	Vulcan	TI-39TB	3HT75
3,000 W	40 sq in	Incoloy(R)	10 3/4 in	36 in	—	240V AC	Vulcan	TIB-33TB	3HT83
6,000 W	20 sq in	Steel	20 in	54 in	—	240V AC	Vulcan	TSB-36TB	3HT95
Bottom-Outlet Immersion Heaters									
1,500 W	34 sq in	Copper	7 1/2 in	—	—	120V AC	Vulcan	ANW115	2E929 †
5,000 W	44 sq in	Copper	12 1/2 in	—	—	240V AC	Vulcan	ANW250	2E930 †
Sanitizing Sink/Tank Immersion Heaters									
1,000 W	14 sq in	316 SS	32 1/2 in	26 in	60° to 250°F	120V AC	Tempco	TAT40008	6THU3
1,500 W	16 sq in	316 SS	32 1/2 in	26 in	60° to 250°F	120V AC	Tempco	TAT40007	6THU4
4,000 W	56 sq in	316 SS	32 1/2 in	26 in	60° to 250°F	240V AC	Tempco	TAT40006	6THU5
6,000 W	65 sq in	316 SS	32 1/2 in	26 in	60° to 250°F	240V AC	Tempco	TAT40005	6THU6
6,000 W	51 sq in	316 SS	43 3/4 in	39 3/4 in	55° to 115°F	240V AC	Tempco	TAT40017	6THU7
1,440 W	13 sq in	316 SS	43 3/4 in	39 3/4 in	55° to 115°F	120V AC	Tempco	TAT40013	6THU8