



## Screw Plug Immersion Heaters

▪ NEMA 1 housing, except 4E274 to 4E279

### WITH THERMOSTAT

▪ Control range: copper, 60° to 250°F; steel (Tempco models), 60° to 250°F; steel (Vulcan models), 100° to 550°F

**TEMPCO** **Vulcan**

### 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	Brand	WITH THERMOSTAT Mfr. Model	Item No.	Watt Density	Brand	WITHOUT THERMOSTAT Mfr. Model	Item No.
<b>Brass Screw Plug and Copper Sheath</b>												
1 in	6 3/4 in	500 W	120V AC	1	46 sq in	Tempco	TSP02078	2VXR8	46 sq in	Tempco	TSP02007	2VXR9
1 in	6 3/4 in	750 W	120V AC	1	69 sq in	Tempco	TSP02079	2VXT1	69 sq in	Tempco	TSP02097	2VXT2
1 in	6 3/4 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	2VXT0
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	2VXU1
2 in	11 1/2 in	1,500 W	120V AC	1	48 sq in	Vulcan	AUW215A	2E931	—	—	—	—
2 in	11 1/2 in	3,000 W	120V AC	1	48 sq in	Vulcan	AUW230A	4E282	—	—	—	—
2 in	11 1/2 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 3/4 in	18,000 W	480V AC	3	44 sq in	Tempco	TSP02095	2VXX5	44 sq in	Tempco	TSP02110	2VXX7
<b>Brass Screw Plug and Copper Sheath, Automatic Reset, Low Limit Cutout</b>												
1 in	9 1/4 in	1,000 W	120V AC	1	31 sq in	Vulcan	WTP906A	2E927	—	—	—	—
1 in	10 1/4 in	1,500 W	120V AC	1	41 sq in	Vulcan	WTP910A	2E928	—	—	—	—
<b>Stainless Steel Screw Plug and 304 SS Sheath</b>												
1 in	6 3/4 in	500 W	120V AC	1	48 sq in	Tempco	TSP02011	2VYP8	48 sq in	Tempco	TSP02241	2VYR1
1 in	6 3/4 in	750 W	120V AC	1	70 sq in	Tempco	TSP02227	2VYR3	70 sq in	Tempco	TSP02295	2VYR5
1 in	6 3/4 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
<b>Stainless Steel Screw Plug and 316 SS Sheath</b>												
1 in	6 3/4 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
<b>Steel Screw Plug and Steel Sheath</b>												
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 3/4 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



**TEMPCO**  
**Vulcan**

## 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.
<b>Drum Immersion Heaters</b>									
1,000 W	8.27 W/sq in	Stainless Steel	19 1/2 in	36 in	60° to 250°F	120V AC	Tempco	TAT30002	2VYH2
4,000 W	32 W/sq in	Stainless Steel	19 1/2 in	36 in	60° to 250°F	240V AC	Tempco	TAT30001	2VYH4
1,000 W	8.27 W/sq in	Steel	19 1/2 in	36 in	60° to 250°F	120V AC	Tempco	TAT30005	2VYH6
4,000 W	32 W/sq in	Steel	19 1/2 in	36 in	60° to 250°F	240V AC	Tempco	TAT30006	2VYH8
<b>Over-the-Side Immersion Heaters</b>									
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 1/4 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
<b>Bottom-Outlet Immersion Heaters</b>									
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 †
<b>Sanitizing Sink/Tank Immersion Heaters</b>									
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

\* Refers to length of heated element. † Circular element configuration; Overall Length indicates diameter.