

TEPCO



## Circulation Heaters and Circulation Booster Heaters

- NEMA 1 housing
- Flanged models have high temp. stainless steel sheath material

Self-contained thermostatically controlled heating units consist of a flanged or screw-plug immersion heater mounted into a tank assembly. Replacement Heater Elements with Gasket can be used as stand-alone heaters.



Flanged



Screw Plug

						HEATERS				REPLACEMENT HEATER ELEMENTS WITH GASKET		
Watts	Watt Density	Flange Size	Heater Voltage	Phase	Overall Length	Control Range	Mfr. Model	Item No.		Overall Length	Mfr. Model	Item No.
<b>Circulation Heaters (Flanged, 150-lb. Pressure-Rated Steel, with Tank Mounted Double Pole Thermostat)</b>												
6000 W	48 sq in	3 in	240V AC	3	35 in	60° to 250°F	CHF02339	2VYE3		21 1/8 in	TFP02655	2VYA2
6000 W	48 sq in	3 in	480V AC	3	35 in	60° to 250°F	CHF02340	2VYE5		21 1/8 in	TFP02657	2VYA4
12,000 W	48 sq in	3 in	240V AC	3	45 in	60° to 250°F	CHF02341	2VYE7		36 1/8 in	TFP02666	2VYA6
12,000 W	48 sq in	3 in	480V AC	3	45 in	60° to 250°F	CHF02342	2VYE9		36 1/8 in	TFP02668	2VYA8
12,000 W	48 sq in	5 in	480V AC	3	—	—	—	—		22 1/8 in	TFP02708	2VYC3
18,000 W	48 sq in	3 in	480V AC	3	58 in	60° to 250°F	CHF02344	2VYF2		51 1/8 in	TFP02674	2VYC1
24,000 W	48 sq in	5 in	480V AC	3	46 in	60° to 250°F	CHF02346	2VYF4		37 1/8 in	TFP02720	2VYC5
40,000 W	48 sq in	5 in	480V AC	3	64 in	60° to 250°F	CHF02348	2VYF6		56 1/8 in	TFP01498	2VYC7

						BOOSTER HEATERS				REPLACEMENT BOOSTER HEATER ELEMENTS WITH THERMOSTAT		
Watts	Watt Density	Sheath Material	Control Range	Heater Voltage	Phase	Overall Length	Mfr. Model	Item No.		Overall Length	Mfr. Model	Item No.
<b>Circulation Booster Heaters (Screw Plug, 1 1/4" Element, 1" NPT Water, with Thermostat)</b>												
500 W	23 sq in	Steel	150° to 560°F	120V AC	1	22 in	CHF02304	2VYC9		13 4/7 in	TSP02750	2VYF8
750 W	23 sq in	Steel	150° to 560°F	120V AC	1	22 in	CHF02306	2VYD2		18 3/8 in	TSP02751	2VYG1
1,000 W	23 sq in	Steel	150° to 560°F	240V AC	1	—	—	—		20 4/9 in	TSP02752	2VYG3
1,500 W	34 sq in	Copper	60° to 180°F	120V AC	1	18 in	CHF02155	2VYD6		17 in	TSP01411	2VYG5
2,000 W	45 sq in	Copper	60° to 180°F	120V AC	1	18 in	CHF02156	2VYD8		17 in	TSP01409	2VYG7
3,000 W	49 sq in	Copper	60° to 180°F	240V AC	1	22 in	CHF02158	2VYE1		21 1/8 in	TSP01410	2VYG9

## Cal-Stat Thermostats

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- Temp. range: -100° to 600°F

**Thermostats**—Differential of 1°F, 1/2" and 3/8" dia. models are UL Recognized (E36322). 5/8" dia. models are CSA Certified (LR 23541-4).

**Food Service Thermostats**—For fryers and other food service equipment and replacement units. 304 stainless steel. UL Recognized (E36322) and CSA Certified (LR23541-4).

Type	Sheath Dia.	Overall Length	Insertion Depth	Thread NPT	Switch Action	Contact Rating Resistive @ 120V	Contact Rating Resistive @ 240V	Switch Ratings @ 120VDC	Mfr. Model	Item No.
<b>Thermostats</b>										
Cartridge	1/2 in	3 1/4 in	2 1/2 in	—	Open on Rise	5 A	3 A	1 A	1A1C9	2E937
Cartridge	1/2 in	3 1/4 in	2 1/2 in	—	Close on Rise	5 A	3 A	1 A	1A2C9	2E938
Cartridge	3/8 in	4 1/2 in	3 1/2 in	—	Open on Rise	10 A	5 A	2 A	1A1B9	2E935
Cartridge	3/8 in	4 1/2 in	3 1/2 in	—	Close on Rise	10 A	5 A	2 A	1A2B9	2E936
Coupling Head, Cartridge	1/2 in	3 1/4 in	2 in	3/8"-18	Open on Rise	5 A	3 A	1 A	1E1C9	36D96 *
Coupling Head, Cartridge	1/2 in	3 1/4 in	2 in	3/8"-18	Close on Rise	5 A	3 A	1 A	1E2C9	36D99 *
Coupling Head, Cartridge	3/8 in	4 1/2 in	3 in	1/2"-14	Open on Rise	10 A	5 A	2 A	1E1B9	36D95 *
Coupling Head, Cartridge	3/8 in	4 1/2 in	3 in	1/2"-14	Close on Rise	10 A	5 A	2 A	1E2B9	36D98 *
Pipe Thread, Cartridge	1/2 in	3 1/4 in	2 in	3/8"-18	Open on Rise	5 A	3 A	1 A	1C1C9	2E941 *
Pipe Thread, Cartridge	1/2 in	3 1/4 in	2 1/2 in	3/8"-18	Close on Rise	5 A	3 A	1 A	1C2C9	2E942 *
Pipe Thread, Cartridge	3/8 in	4 1/2 in	3 in	1/2"-14	Open on Rise	10 A	5 A	2 A	1C1B9	2E939 *
Pipe Thread, Cartridge	3/8 in	4 1/2 in	3 in	1/2"-14	Close on Rise	10 A	5 A	2 A	1C2B9	2E940 *
<b>Food Service Thermostats</b>										
Pipe Thread, Cartridge, Right Angle Lead Exit Style	3/8 in	4 1/2 in	3 in	1/2"-14	Open on Rise	10 A	5 A	2 A	1C1B9-BJR	36D85
Pipe Thread, Cartridge, Right Angle Lead Exit Style	3/8 in	4 1/2 in	2 1/2 in	1/2"-14	Open on Rise	10 A	5 A	2 A	1C1B9-J	36D86
Pipe Thread, Cartridge, Straight Lead Exit Style	3/8 in	4 1/2 in	3 1/2 in	1/2"-14	Open on Rise	10 A	5 A	2 A	1C1B9-BJ	36D84

\* Threaded mounting MNPT.



3HV08



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## Low-Temperature Air Duct Heaters

For use in heating ducts and dryers up to 100°F. Finned tubular heater construction and sheet metal terminal housing with predrilled flange mount.

Min. Duct D	Element W	Watts	No. of Elements	240V AC/1-Phase Mfr. Model	Item No.	480V AC/3-Phase Mfr. Model	Item No.
<b>Finned Tubular Air Duct Heaters, Min. Air Flow: 600 cfm</b>							
8 in	8 in	3,000 W	3	VFT38-3B	3HV04	—	—
8 in	12 in	6,000 W	6	VFT68-6B	3HV08	VFT68-6C	3HV09
12 in	18 in	12,000 W	9	—	—	VFT912-12C	3HV10
12 in	24 in	16,000 W	12	—	—	VFT1212-16C	3HV17
Description				Mfr. Model	Item No.		
<b>Finned Tubular Replacement Heating Elements, 3/4-16 Threads</b>							
240V AC/1-Phase, For Use With Mfr. No. VFT38-3B, VFT68-6B				RE8-1000B	3HP14		
480V AC/3-Phase, For Use With Mfr. No. VFT38-3C, VFT68-6C, VFT98-9C				RE8-1000C	3HP15		
480V AC/3-Phase, For Use With Mfr. No. VFT912-12C, VFT1212-16C				RE12-1333C	3HP07		



3HK15



3HK19

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## Industrial Heaters and Elements

**Low-Profile Enclosure Heaters**—1 3/8" H x 2"W finned strip heaters with mounting brackets. 304 stainless steel. UL Recognized.

**Finned Tubular Heating Elements**—1010 carbon steel sheath with high-temperature, corrosion-resistant finish. Sheath temperature: 800°F max. 2" center-to-center mounting.

- 3/4-16 threaded mounting fittings with hardware
- 8-32 screw and nut terminals

L	Mounting Dim.	Watts	Mfr. Model	Item No.
<b>Low-Profile Enclosure Heaters, 120V AC/1-Phase</b>				
12 1/8 in	1 1/8 in	200 W	E-OSF-1510-200A	3HK15
15 1/8 in	1 1/8 in	350 W	E-OSF-1514-350A	3HK16
19 1/2 in	1 3/8 in	450 W	E-OSF-1517-450A	3HK17
25 3/8 in	2 1/4 in	700 W	E-OSF-1523-700A	3HK18
Overall Length	Installation Depth	Watts	Mfr. Model	Item No.
<b>Finned Tubular Heating Elements, 240V AC/1-Phase</b>				
12 1/8 in	1 1/8 in	2,000 W	FTH20B-B	3HK19
17 1/8 in	1 3/8 in	3,000 W	FTH30B-B	3HK20
22 1/8 in	2 1/8 in	4,000 W	FTH40B-B	3HK21
27 1/8 in	2 3/8 in	5,000 W	FTH50B-B	3HK22