

## CORROSION RESISTANT OVER-THE-SIDE IMMERSION HEATERS

TPR Series  
Starts at  
**\$550**



### TPR—Round Cross Section Elements

- ✓ Fluoropolymer Coated Stainless Steel Elements
- ✓ 20 W/in<sup>2</sup>
- ✓ 1 to 8 kW
- ✓ 120, 240 and 480V, 1 Phase
- ✓ Moisture Resistant Terminal Enclosure

### FEATURES

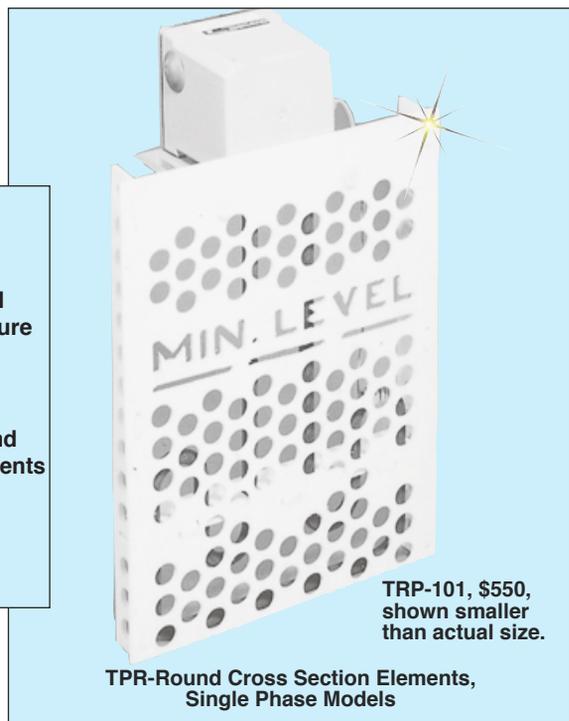
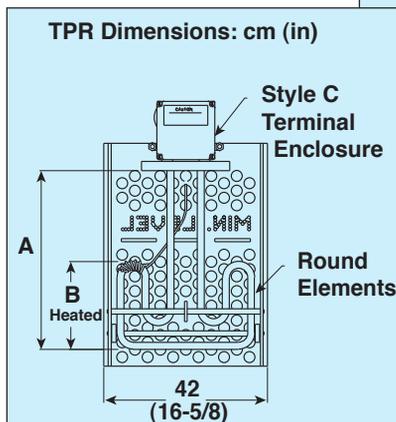
- ✓ Moisture Resistant Terminal Enclosure
- ✓ Standard Polypropylene Guard
- ✓ Side Mounted Construction with PVC Mounting Flange
- ✓ Overtemperature Protection Integral Manual Reset Cutout [116°C (240°F)]
- ✓ Low Profile, Light Weight

#### 1. Corrosion Resistant:

Thermoplastic fluoropolymer coated stainless steel sheath for long life in almost all types of corrosive solutions for operating temperatures up to 212°F. Pin hole free, durable coating, 100% tested at factory.

#### 2. Overtemperature Shutoff:

Standard on all units. A manual reset cutout will deactivate the heater in the event of an overtemperature condition (rated 25 amps up to 277 volts). A visual minimum level indication is also provided on the heater guard.

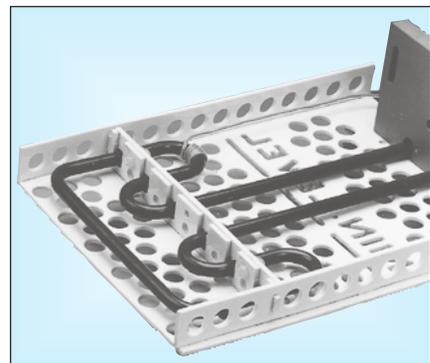


3. **Low Profile:** Single and three phase heaters have flat profiles which permit maximum work area and minimum interference with plating process. Heater projects less than 2" away from the side of the tank.

*Continued on page 114*

### CAUTION AND WARNING!

Fire and electrical shock may result if products are used improperly or installed or used by non-qualified personnel. See inside back cover for additional warning.



**MOST POPULAR MODEL HIGHLIGHTED!**

### To Order (Specify Model Number)

Watts	Volts	Dimensions: cm (in)		Model No.	Price	Weight kg (lb)
		A	B			
1000	120	33 (13)	15 (6)	TPR-101	\$550	2 (4)
1000	240	33 (13)	15 (6)	TPR-102	550	2 (4)
2000	240	53 (21)	30 (12)	TPR-202	650	2 (5)
2000	480	53 (21)	30 (12)	TPR-204	650	2 (5)
3000	240	66 (26)	43 (17)	TPR-302	800	3 (6)
3000	480	66 (26)	43 (17)	TPR-304	800	3 (6)
4000	240	79 (31)	56 (22)	TPR-402	1050	3 (7)
4000	480	79 (31)	56 (22)	TPR-404	1050	3 (7)
6000	240	107 (42)	84 (33)	TPR-602	1300	5 (10)
6000	480	107 (42)	84 (33)	TPR-604	1350	5 (10)
8000	240	135 (53)	112 (44)	TPR-802	1750	5 (12)
8000	480	135 (53)	112 (44)	TPR-804	1750	5 (12)

**Ordering Example:** TPR-202 single phase, round cross section element immersion heater, 2000 W, 240V, \$650.

## CORROSION RESISTANT OVER-THE-SIDE IMMERSION HEATERS

TPF Series  
Starts at  
**\$915**



### TPF—Flat Elements

- ✓ Fluoropolymer Coated Stainless Steel Thinblade Elements
- ✓ 20 W/in<sup>2</sup>
- ✓ 3 to 10 kW
- ✓ 240 and 480V, 3 Phase
- ✓ Moisture Resistant Terminal Enclosure

### FEATURES

- ✓ Moisture Resistant Terminal Enclosure
- ✓ Standard Polypropylene Guard
- ✓ Side Mounted Construction with PVC Mounting Flange
- ✓ Overtemperature Protection Integral Manual Reset Cutout (240°F)
- ✓ Low Profile, Light Weight

#### 4. Vapor Tight Terminal:

Enclosure of PVC material with left or right hand conduit entry.

#### 5. Mounting Bracket:

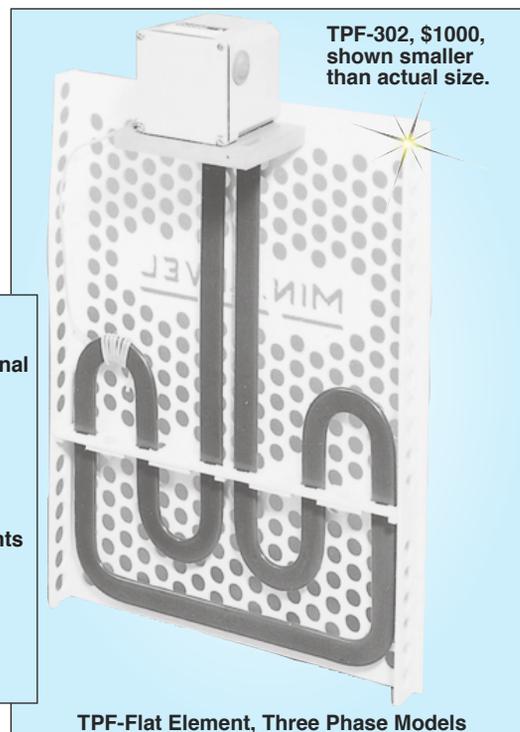
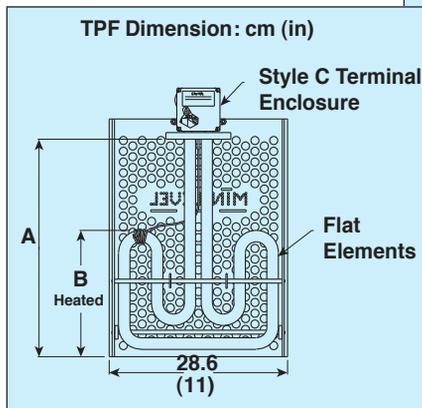
Made of PVC material with conveniently located mounting slots.

#### 6. Polypropylene Guard:

Standard on all units. It protects the heater from work in process in heating tank. Guard easily disassembles for ease of cleaning heating elements.

#### 7. Grounded Construction:

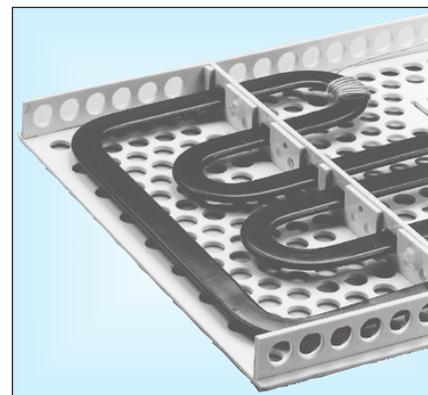
With metal sheath heating elements to allow for proper grounding safety.



- 8. **Low Watt Density:** 20 watts per square inch heat output suitable for almost all corrosive solutions.
- 9. **Light Weight:** Simple design permits easy installation and removal for cleaning.

### CAUTION AND WARNING!

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**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

Watts	Volts	Dimensions: cm (in)		Model No.	Price	Weight kg (lb)
		A	B			
3000	240	51 (20)	28 (11)	<b>TPF-302</b>	<b>\$1000</b>	4 (8)
3000	480	51 (20)	28 (11)	<b>TPF-304<sup>1</sup></b>	<b>795</b>	4 (8)
4000	240	58 (23)	36 (14)	<b>TPF-402</b>	<b>1100</b>	4 (9)
4000	480	58 (23)	36 (14)	<b>TPF-404<sup>1</sup></b>	<b>1100</b>	4 (9)
6000	240	76 (30)	53 (21)	<b>TPF-602</b>	<b>1450</b>	5 (11)
6000	480	76 (30)	53 (21)	<b>TPF-604<sup>1</sup></b>	<b>1450</b>	5 (11)
8000	240	94 (37)	71 (28)	<b>TPF-802</b>	<b>1750</b>	5 (12)
8000	480	94 (37)	71 (28)	<b>TPF-804<sup>1</sup></b>	<b>1750</b>	5 (12)
10000	240	112 (44)	89 (35)	<b>TPF-1002</b>	<b>2150</b>	6 (14)
10000	480	112 (44)	89 (35)	<b>TPF-1004<sup>1</sup></b>	<b>2150</b>	6 (14)

<sup>1</sup> Not UL Listed or CSA Certified.

**Ordering Example:** TPF-404, three phase, flat element immersion heater, 4000 W, 480V, \$1100. It is not UL Listed or CSA Certified.