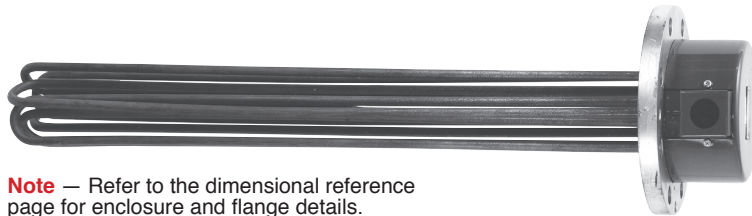


# Immersion

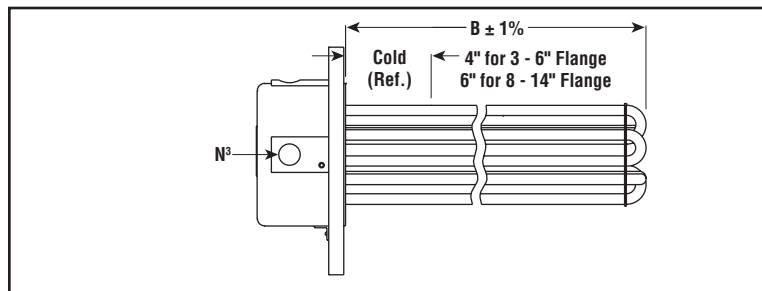
## TMS Mildly Corrosive Solution Applications



- 3 - 8" 150 Lb. Carbon Steel Flange
- Stainless Steel Sheath Elements
- Stainless Steel Thermowell
- 23 W/in<sup>2</sup>
- 3 - 50 kW
- 240 and 480 Volt, 1 & 3 Phase
- General Purpose, Moisture Resistant or Moisture Resistant/Explosion Resistant Terminal Enclosures

**Note** — Refer to the dimensional reference page for enclosure and flange details.

### Dimensions (Inches)



FLANGED

### Specifications and Ordering Information

| kW   | Volts | CKT & Phase | DIM B (In.) | Wt.* (Lbs.) | E1 General Purpose |       |        |             | E2 Moisture Resistant/Explosion Resistant |       |        |             |
|--|-------|-------------|-------------|-------------|--------------------|-------|--------|-------------|---|-------|--------|-------------|
|  |       |             |             |             | Model              | Stock | PCN    | DIM N (In.) | Model                                     | Stock | PCN    | DIM N (In.) |
| <b>3 Inch - 150 Lb. Steel Flange — 3 Stainless Steel Sheath Elements — 23 W/in<sup>2</sup></b> |       |             |             |             |                    |       |        |             |   |       |        |             |
| 3  | 240   | 1-1         | 18-1/16     | 16          | TMS-03-003P-E1     | NS    | 231095 | 1           | TMS-03-003P-E2                            | NS    | 030015 | 3/4         |
| 3  | 240   | 1-3         | 18-1/16     | 16          | TMS-03-003P-E1     | NS    | 231108 | 1           | TMS-03-003P-E2                            | NS    | 030023 | 3/4         |
| 3  | 480   | 1-1         | 18-1/16     | 16          | TMS-03-003P-E1     | NS    | 231116 | 1           | TMS-03-003P-E2                            | NS    | 030031 | 3/4         |
| 3  | 480   | 1-3         | 18-1/16     | 16          | TMS-03-003P-E1     | NS    | 231124 | 1           | TMS-03-003P-E2                            | NS    | 030040 | 3/4         |
| 4.5  | 240   | 1-1         | 25-3/16     | 17          | TMS-03-004P5-E1    | NS    | 231132 | 1           | TMS-03-004P5-E2                           | NS    | 030058 | 3/4         |
| 4.5  | 240   | 1-3         | 25-3/16     | 17          | TMS-03-004P5-E1    | NS    | 231140 | 1           | TMS-03-004P5-E2                           | NS    | 030066 | 3/4         |
| 4.5  | 480   | 1-1         | 25-3/16     | 17          | TMS-03-004P5-E1    | NS    | 231159 | 1           | TMS-03-004P5-E2                           | NS    | 030074 | 3/4         |
| 4.5  | 480   | 1-3         | 25-3/16     | 17          | TMS-03-004P5-E1    | NS    | 231167 | 1           | TMS-03-004P5-E2                           | NS    | 030082 | 3/4         |
| 6  | 240   | 1-1         | 33-1/16     | 18          | TMS-03-006P-E1     | NS    | 231175 | 1           | TMS-03-006P-E2                            | NS    | 030090 | 3/4         |
| 6  | 240   | 1-3         | 33-1/16     | 18          | TMS-03-006P-E1     | NS    | 231183 | 1           | TMS-03-006P-E2                            | NS    | 030103 | 3/4         |
| 6  | 480   | 1-1         | 33-1/16     | 18          | TMS-03-006P-E1     | NS    | 231191 | 1           | TMS-03-006P-E2                            | NS    | 030111 | 3/4         |
| 6  | 480   | 1-3         | 33-1/16     | 18          | TMS-03-006P-E1     | NS    | 231204 | 1           | TMS-03-006P-E2                            | NS    | 030120 | 3/4         |
| 7.5  | 240   | 1-3         | 40-9/16     | 19          | TMS-03-007P5-E1    | NS    | 231212 | 1           | TMS-03-007P5-E2                           | NS    | 030138 | 3/4         |
| 7.5  | 480   | 1-3         | 40-9/16     | 19          | TMS-03-007P5-E1    | NS    | 231220 | 1           | TMS-03-007P5-E2                           | NS    | 030146 | 3/4         |
| 9  | 480   | 1-1         | 48-1/16     | 21          | TMS-03-009P-E1     | NS    | 231239 | 1           | TMS-03-009P-E2                            | NS    | 030154 | 3/4         |
| 9  | 480   | 1-3         | 48-1/16     | 21          | TMS-03-009P-E1     | NS    | 231247 | 1           | TMS-03-009P-E2                            | NS    | 030162 | 3/4         |
| 9  | 240   | 1-3         | 48-1/16     | 21          | TMS-03-009P-E1     | NS    | 231255 | 1           | TMS-03-009P-E2                            | NS    | 030170 | 3/4         |

## TMS

### Mildly Corrosive Solution Applications *(cont'd.)*

#### Specifications and Ordering Information

|   |       |             |             |              | E1 General Purpose |       |        |             | E2 Moisture Resistant/Explosion Resistant |       |        |             | E4 Moisture Resistant |       |        |             |
|---|-------|-------------|-------------|--------------|--------------------|-------|--------|-------------|---|-------|--------|-------------|-----------------------|-------|--------|-------------|
| kW  | Volts | CKT & Phase | DIM B (In.) | Wt. * (Lbs.) | Model              | Stock | PCN    | DIM N (In.) | Model                                     | Stock | PCN    | DIM N (In.) | Model                 | Stock | PCN    | DIM N (In.) |
| <b>5 Inch - 150 Lb. Steel Flange — 6 Stainless Steel Sheath Elements — 23 W/in<sup>2</sup></b>  |       |             |             |              |                    |       |        |             |   |       |        |             |                       |       |        |             |
| 9   | 240   | 1-3         | 25-3/16     | 32           | TMS-06-009P-E1     | NS    | 231263 | 1           | TMS-06-009P-E2                            | NS    | 030189 | 1-1/2       | TMS-06-009P-E4        | NS    | 030306 | 1           |
| 9   | 480   | 1-3         | 25-3/16     | 32           | TMS-06-009P-E1     | NS    | 231271 | 1           | TMS-06-009P-E2                            | NS    | 030197 | 1-1/2       | TMS-06-009P-E4        | NS    | 030314 | 1           |
| 12  | 240   | 1-3         | 33-1/16     | 33           | TMS-06-012P-E1     | NS    | 231280 | 1           | TMS-06-012P-E2                            | NS    | 030200 | 1-1/2       | TMS-06-012P-E4        | NS    | 030322 | 1           |
| 12  | 480   | 1-3         | 33-1/16     | 33           | TMS-06-012P-E1     | NS    | 231298 | 1           | TMS-06-012P-E2                            | NS    | 030218 | 1-1/2       | TMS-06-012P-E4        | NS    | 030330 | 1           |
| 15  | 240   | 1-3         | 40-9/16     | 35           | TMS-06-015P-E1     | NS    | 231300 | 1           | TMS-06-015P-E2                            | NS    | 030226 | 1-1/2       | TMS-06-015P-E4        | NS    | 030349 | 1           |
| 15  | 480   | 1-3         | 40-9/16     | 35           | TMS-06-015P-E1     | NS    | 231319 | 1           | TMS-06-015P-E2                            | NS    | 030234 | 1-1/2       | TMS-06-015P-E4        | NS    | 030357 | 1           |
| 20  | 240   | 1-3         | 52-1/16     | 38           | TMS-06-020P-E1     | NS    | 231327 | 1           | TMS-06-020P-E2                            | NS    | 030242 | 1-1/2       | TMS-06-020P-E4        | NS    | 030365 | 1           |
| 20  | 480   | 1-3         | 52-1/16     | 38           | TMS-06-020P-E1     | NS    | 231335 | 1           | TMS-06-020P-E2                            | NS    | 030250 | 1-1/2       | TMS-06-020P-E4        | NS    | 030373 | 1           |
| 25  | 240   | 2-3         | 65-1/16     | 42           | TMS-06-025P-E1     | NS    | 231343 | 1           | TMS-06-025P-E2                            | NS    | 030269 | 1-1/2       | TMS-06-025P-E4        | NS    | 030381 | 1           |
| 25  | 480   | 1-3         | 65-1/16     | 42           | TMS-06-025P-E1     | NS    | 231351 | 1           | TMS-06-025P-E2                            | NS    | 030277 | 1-1/2       | TMS-06-025P-E4        | NS    | 030390 | 1           |
| 30  | 240   | 2-3         | 78-1/16     | 46           | TMS-06-030P-E1     | NS    | 231360 | 1           | TMS-06-030P-E2                            | NS    | 030285 | 1-1/2       | TMS-06-030P-E4        | NS    | 030402 | 1           |
| 30  | 480   | 1-3         | 78-1/16     | 46           | TMS-06-030P-E1     | NS    | 231378 | 1           | TMS-06-030P-E2                            | NS    | 030293 | 1-1/2       | TMS-06-030P-E4        | NS    | 030410 | 1           |
| <b>6 Inch - 150 Lb. Steel Flange — 12 Stainless Steel Sheath Elements — 23 W/in<sup>2</sup></b> |       |             |             |              |                    |       |        |             |   |       |        |             |                       |       |        |             |
| 18  | 240   | 1-3         | 25-1/8      | 67           | TMS-12-018P-E1     | NS    | 231386 | 1           | TMS-12-018P-E2                            | NS    | 030429 | 1-1/2       | TMS-12-018P-E4        | NS    | 030509 | 1-1/2       |
| 18  | 480   | 1-3         | 25-1/8      | 67           | TMS-12-018P-E1     | NS    | 231394 | 1           | TMS-12-018P-E2                            | NS    | 030437 | 1-1/2       | TMS-12-018P-E4        | NS    | 030517 | 1-1/2       |
| 24  | 240   | 2-3         | 33          | 76           | TMS-12-024P-E1     | NS    | 231407 | 1           | TMS-12-024P-E2                            | NS    | 030445 | 1-1/2       | TMS-12-024P-E4        | NS    | 030525 | 1-1/2       |
| 24  | 480   | 1-3         | 33          | 76           | TMS-12-024P-E1     | NS    | 231415 | 1           | TMS-12-024P-E2                            | NS    | 030453 | 1-1/2       | TMS-12-024P-E4        | NS    | 030533 | 1-1/2       |
| 30  | 240   | 2-3         | 40-1/2      | 84           | TMS-12-030P-E1     | NS    | 231423 | 1           | TMS-12-030P-E2                            | NS    | 030461 | 1-1/2       | TMS-12-030P-E4        | NS    | 030541 | 1-1/2       |
| 30  | 480   | 1-3         | 40-1/2      | 84           | TMS-12-030P-E1     | NS    | 231431 | 1           | TMS-12-030P-E2                            | NS    | 030470 | 1-1/2       | TMS-12-030P-E4        | NS    | 030550 | 1-1/2       |
| 36  | 240   | 2-3         | 48          | 111          | TMS-12-036P-E1     | NS    | 231440 | 1           | TMS-12-036P-E2                            | NS    | 030488 | 1-1/2       | TMS-12-036P-E4        | NS    | 030568 | 1-1/2       |
| 36  | 480   | 1-3         | 48          | 111          | TMS-12-036P-E1     | NS    | 231458 | 1           | TMS-12-036P-E2                            | NS    | 030496 | 1-1/2       | TMS-12-036P-E4        | NS    | 030576 | 1-1/2       |
| <b>8 Inch - 150 Lb. Steel Flange — 18 Stainless Steel Sheath Elements — 23 W/in<sup>2</sup></b> |       |             |             |              |                    |       |        |             |   |       |        |             |                       |       |        |             |
| 30  | 240   | 3-3         | 32-7/8      | 112          | TMS-18-030P-E1     | NS    | 231466 | 1           | TMS-18-030P-E2                            | NS    | 030584 | 3/4         | TMS-18-030P-E4        | NS    | 030648 | 1-1/2       |
| 30  | 480   | 3-3         | 32-7/8      | 112          | TMS-18-030P-E1     | NS    | 231474 | 1           | TMS-18-030P-E2                            | NS    | 030592 | 3/4         | TMS-18-030P-E4        | NS    | 030656 | 1-1/2       |
| 40  | 240   | 3-3         | 43-11/16    | 125          | TMS-18-040P-E1     | NS    | 231482 | 1           | TMS-18-040P-E2                            | NS    | 030605 | 3/4         | TMS-18-040P-E4        | NS    | 030664 | 1-1/2       |
| 40  | 480   | 3-3         | 43-11/16    | 125          | TMS-18-040P-E1     | NS    | 231490 | 1           | TMS-18-040P-E2                            | NS    | 030613 | 3/4         | TMS-18-040P-E4        | NS    | 030672 | 1-1/2       |
| 50  | 240   | 3-3         | 51-7/8      | 130          | TMS-18-050P-E1     | NS    | 231503 | 1           | TMS-18-050P-E2                            | NS    | 030621 | 3/4         | TMS-18-050P-E4        | NS    | 030680 | 1-1/2       |
| 50  | 480   | 3-3         | 51-7/8      | 130          | TMS-18-050P-E1     | NS    | 231511 | 1           | TMS-18-050P-E2                            | NS    | 030630 | 3/4         | TMS-18-050P-E4        | NS    | 030699 | 1-1/2       |

**Stock Status:** S = stock    NS = non-stock  
**To Order**—Specify model, PCN, kW, volts, phase and quantity.

- \* Weights:  
 A. For Wt. of 3" flange with E2 enclosure add 3 lbs. to Wt. of E1 enclosure heater.  
 B. For Wt. of 5 and 6" flange with E4 enclosure add 7 lbs. to Wt. of E1 enclosure heater.  
 C. For Wt. of 8" flange with E4 enclosure add 10 lbs. to Wt. of E1 enclosure heater.