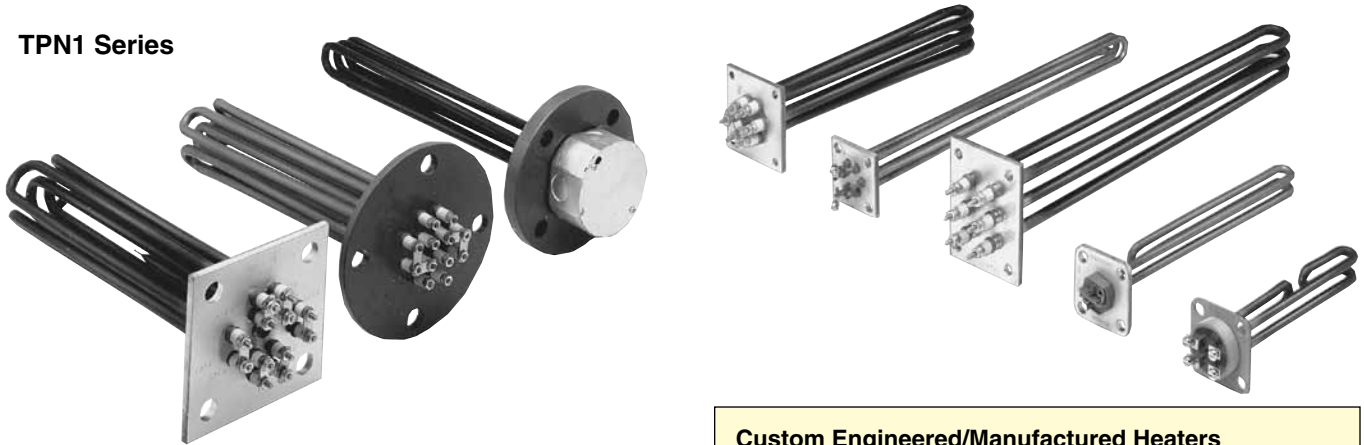


## Flanged Immersion Heaters with Custom Size and Shape Flanges

### TPN1 Series



#### Typical Applications

- Hot Air Dryers
- Dehumidifying Dryers
- Heat Exchange Systems
- Water and Water Solutions
- Steam Tables
- Air Heating

#### Custom Immersion Heaters

This design consists of tubular heating elements silver brazed or TIG welded to a flange cut from steel or stainless steel plate. Flange plate size, thickness and shape are determined by the application. A fiber gasket is supplied with each heater. This type construction also lends itself to be easily and economically engineered into new equipment.

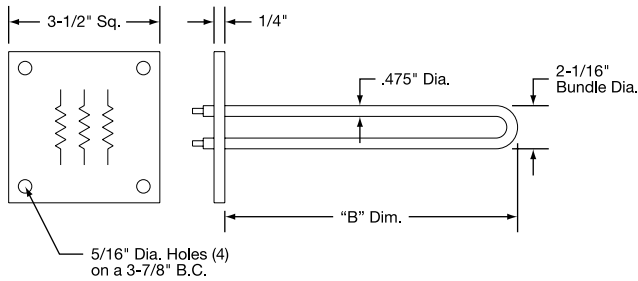
#### Custom Engineered/Manufactured Heaters

An electric heater can be very application specific; for sizes and ratings not listed, TRODEKS will design and manufacture a flanged immersion heater to meet your requirements.

#### Please Specify the Following:

- ✓ Wattage, Voltage and Phase
- ✓ Element Immersion Length
- ✓ Flange Size and Material
- ✓ Electrical Enclosure, if required
- ✓ Element Sheath Material
- ✓ Optional Features
- ✓ Element Watt Density

### 3½" Square Steel Flange, 3 Elements



Supplied with gasket (GSK-111-102)

## To Order

| Model No.  |            |            | Approx Weight |    | Element Sheath Material | KW  | Watt Density         |                      | B   |                                 |
|------------|------------|------------|---------------|----|-------------------------|-----|----------------------|----------------------|-----|---------------------------------|
| 240V-3Ph Y | 480V-3Ph Y | 575V-3Ph Y | kg            | lb |                         |     | Watt/cm <sup>2</sup> | Watt/in <sup>2</sup> | mm  | inch                            |
| TPN01400   | TPN01401   | —          | 1.4           | 3  | Incoloy® 800            | 1.5 | 2.3                  | 15                   | 316 | 12 <sup>7</sup> / <sub>16</sub> |
| TPN01173   | TPN01174   | TPN01402   | 1.4           | 3  |                         | 2.5 | 3.7                  | 24                   | 316 | 12 <sup>7</sup> / <sub>16</sub> |
| TPN01403   | TPN01404   | TPN01405   | 1.4           | 3  |                         | 3   | 4.8                  | 31                   | 316 | 12 <sup>7</sup> / <sub>16</sub> |
| TPN01175   | TPN01201   | TPN01406   | 1.8           | 4  |                         | 3.5 | 3.7                  | 24                   | 454 | 17 <sup>7</sup> / <sub>8</sub>  |
| TPN01407   | TPN01176   | TPN01408   | 1.8           | 4  |                         | 4   | 4.2                  | 27                   | 454 | 17 <sup>7</sup> / <sub>8</sub>  |
| TPN01409   | TPN01410   | TPN01411   | 1.8           | 4  |                         | 5   | 5.3                  | 34                   | 454 | 17 <sup>7</sup> / <sub>8</sub>  |
| TPN01351   | TPN01373   | —          | 1.4           | 3  | Steel                   | 2.5 | 3.7                  | 24                   | 316 | 12 <sup>7</sup> / <sub>16</sub> |
| TPN01311   | TPN01412   | —          | 1.8           | 4  |                         | 3.5 | 3.7                  | 24                   | 454 | 17 <sup>7</sup> / <sub>8</sub>  |

Ordering Example: TPN01173, 2.5 KW, 240 Vac, 3 phase flanged immersion heater.