

# BOILER FLANGES

## immersion heaters

### OVERVIEW

WATTCO™ square or round flange heaters are the perfect energy efficient solution for heating liquids in open tanks and low-pressure vessels. Suitable for constrained areas, square and round flanges are made of compact elements that are easily installed by tightening a series of bolts. Changing the assembly is simple:

- » Disconnect the power
- » Unbolt the flange
- » Replace it with another heater

### KEY FEATURES

Replacement Boiler Flange Heaters – TYPE FL

- » Square flange
- » Round flange

### SELECTING

#### REPLACEMENT BOILER FLANGE HEATERS WITH SQUARE FLANGES WATTCO™ FLANGE HEATER WITH SQUARE FLANGES

This section will help you select the most suitable WATTCO™ replacement boiler flange heater with square flanges that meets the requirements of your application. Please call us at **1.800.4WATTCO (1.800.492.8826)** for further assistance.

### CAUTION

Low water levels in the boiler or excessive scale build-up on the heating elements cause most boiler heater failures and both have to be taken into account should several heaters fail simultaneously.

It is recommended to contact a water treatment specialist in your area to examine or clean your system before installing any replacement parts.

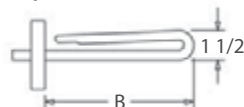
#### 2 1/2" SQUARE FLANGE

##### WHEN ORDERING, PLEASE SPECIFY:

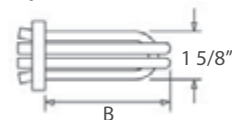
- quantity
- catalogue number
- flange size and material
- voltage/wattage
- phase
- steam\* or water boiler replacement
- description of the heater if no catalogue or part number matched your unit



TYPE 1



TYPE 2



TYPE 3

**\*WARNING:** When placing an order, please specify if you are requesting a replacement unit/part for a **steam application**.

Special recommendations will be given.

### BENEFITS

- » Energy efficient
- » Broad variety of sizes for different applications
- » Compact
- » Superior seal between flanges
- » Moisture and contaminant resistant
- » Easy to install
- » Easy to maintain
- » Designed and built for safety

### APPLICATIONS

Please consider the following factors in order to select the proper flange heater:

- » Water
- » Boiler equipment
- » Open storage tanks containing:
  - Degreasing solvents
  - Fuel oils
  - Heat-transfer fluids
  - Caustic solutions

#### 2 1/2" SQUARE STEEL FLANGE (CUSTOM-DESIGNED)

The following types of heater configurations are available upon request:

WHEN ORDERING, PLEASE SPECIFY:

- type 1, 2 or 3
- 'B' dimension
- voltage / wattage
- phase
- any additional drawings if available

For other custom units, please specify:

- application
- flange size, dimensions, and material
- sheath material and diameter
- number of elements
- quantity
- options
- bolt pattern, if not standard
- no-heat section below the flange
- immersed length

See figures below.

##### Available replacements:

3 5/8" x 9 5/8" FLANGE

5 1/2" SQUARE FLANGE

4 1/2" SQUARE FLANGE

6 3/4" SQUARE FLANGE