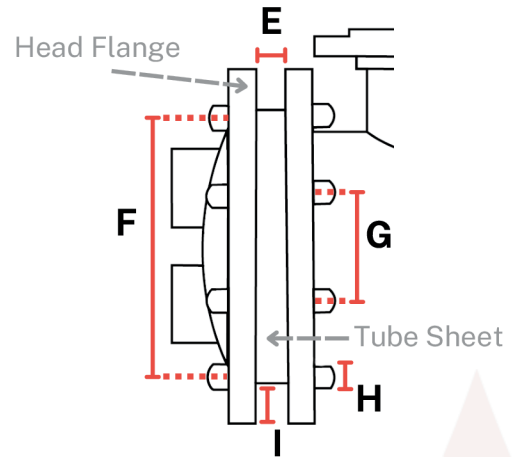
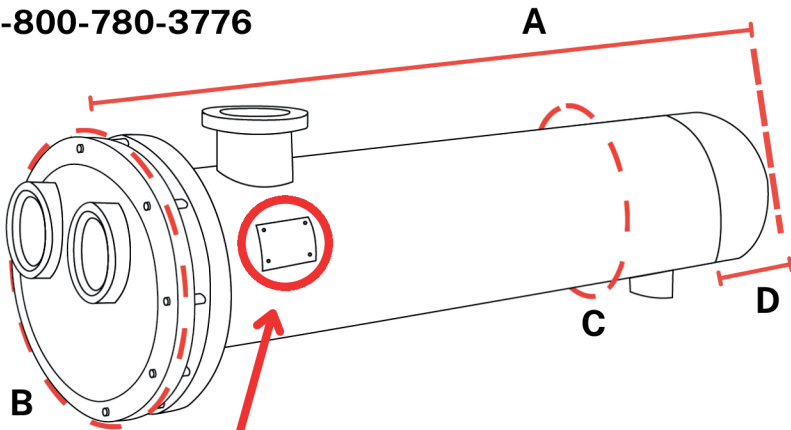


# Measuring for U-Tube Bundle Replacement In Shell & Still in Service



sales@boilerusa.com  
1-800-780-3776



**STOP:** If you can access the unit's data tag (usually located here), no measurements are needed. Just retrieve this information:

**National Board #:** \_\_\_\_\_  
**Model #:** \_\_\_\_\_  
**Year:** \_\_\_\_\_  
**Serial #:** \_\_\_\_\_  
**Manufacturer:** \_\_\_\_\_

**Number of Bolts:** \_\_\_\_\_

**Check One:** (Optional)  
 Domestic Hot Water      **Tube Sheet Material:**  
 Heating Hot Water      **Tube Material:**

Circle One of Each	
<p><b>1. # of Passes</b></p> <p>2-Pass      4-Pass</p>	<p><b>2. Tube Sheet</b></p> <p>Boltless      Full Face</p>

**A. Overall Length:** \_\_\_\_\_

Measure from where the head flange meets the tube sheet to the end of the shell

**B. Flange Circumference:** \_\_\_\_\_

Wrap garment tape or similar tool around the head flange to get circumference

**C. Shell Circumference:** (Optional) \_\_\_\_\_

*If shell is covered in insulation, skip this step. Otherwise, wrap garment tape around the shell to get circumference.*

**D. Weld Line to End of Shell:** \_\_\_\_\_

**E. Tube Sheet Thickness:** \_\_\_\_\_

Measure the distance between both flanges.

**F. Cross Bolt Center-to-Center:** \_\_\_\_\_

*If possible, measure from the center of one bolt to the center of the bolt directly opposite it on the flange.*

**G. Adjacent Bolt Center-to-Center:** \_\_\_\_\_

**H. Bolt Diameter:** \_\_\_\_\_

**I. Tube Sheet to Lip of Flange:** \_\_\_\_\_

*Skip if measuring a bolted tube bundle. Otherwise, measure the distance from the top of the tube sheet to the lip of the flange*

**Phone:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Company Name:** \_\_\_\_\_