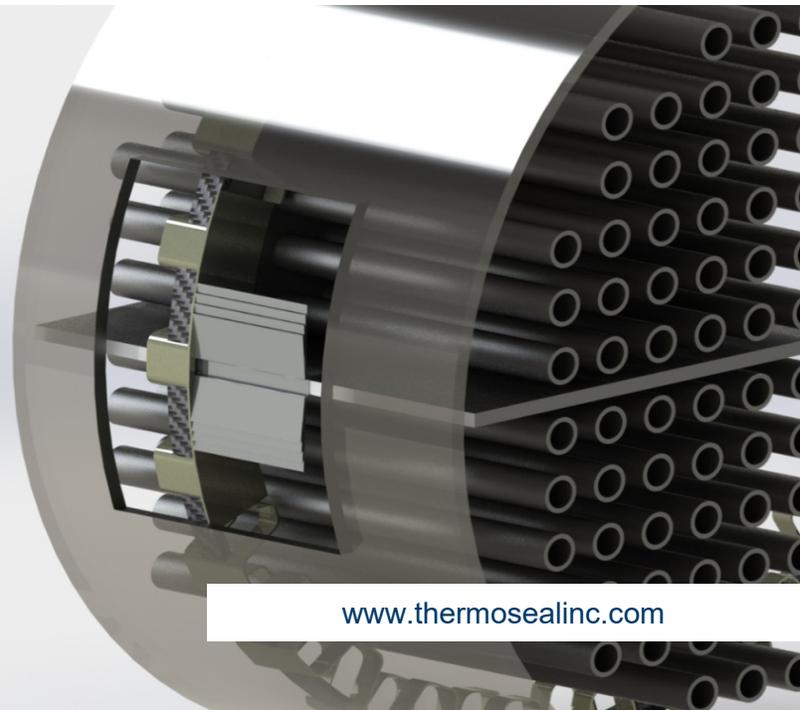
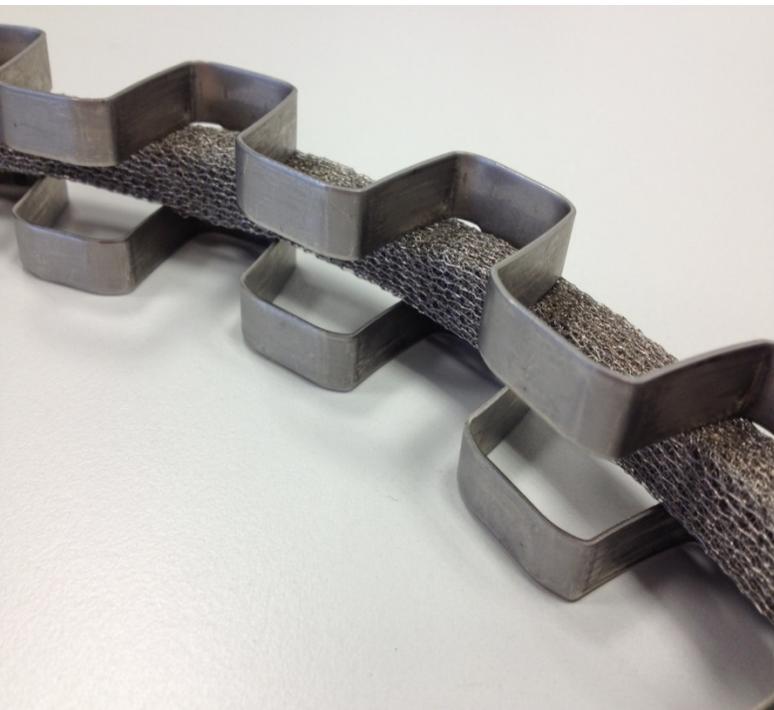




# HEAT EXCHANGER BAFFLE SEALS

KLINGER Kempchen



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## Applications

- » The thermal efficiency of shell and tube heat exchangers can be improved by using baffle seals as a means of sealing the clearances between the tube bundle baffle plates and the shell inside diameter.
- » Longitudinal baffle seals are used on heat exchangers with two-pass or split process flows within the shell.
- » Transverse baffle seals are used to reduce the clearance between the shell and the transverse baffle plates.

## Dimensions

- » In order to ensure proper installation, it is important to verify all dimensions from the exchanger detail drawings prior to manufacturing.
- » Longitudinal baffle seals are cut to size and supplied to suit the exact length of the baffle plate.
- » Transport considerations must be taken into account for seals longer than 6m (approx. 19ft).
- » Baffle plate thicknesses between 4mm and 25mm can be accommodated.
- » Two lamella sizes are available, 20mm or 30mm, depending on the shell diameter.

## Properties

- » Longitudinal baffle seals consist of a lamella holder that fits onto the exchanger baffle plate.
- » The holder contains lamellae that fold open to conform to the curvature of the shell diameter.
- » The lamellae are spot welded to the holder to facilitate installation.
- » With certain transverse baffle designs it may be necessary to cut or grind slots into the holder at specified intervals during field installation.
- » It is generally not required to attach the seal to the baffle plate with screws or bolts.

## Materials

- » All baffle seals are manufactured from 1.4571 (SS 316Ti) as standard.
- » Other materials are available on request.



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