KLINGER Thermoseal

HEAT EXCHANGER BAFFLE SEALS

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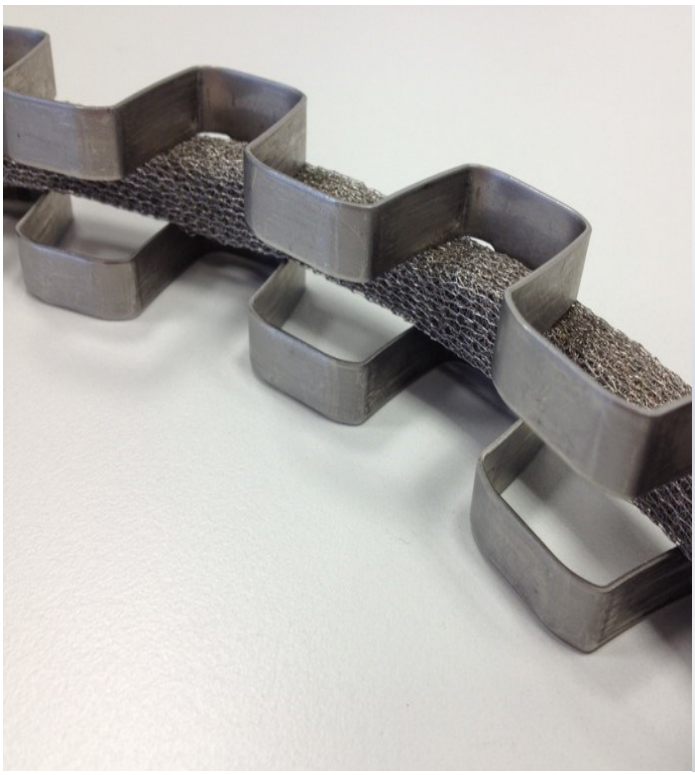

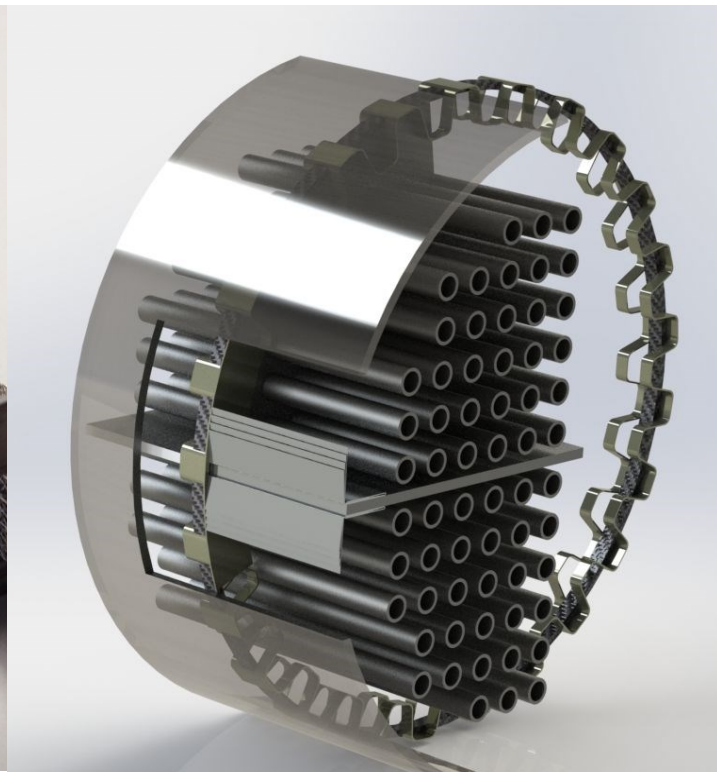

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Applications

- 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

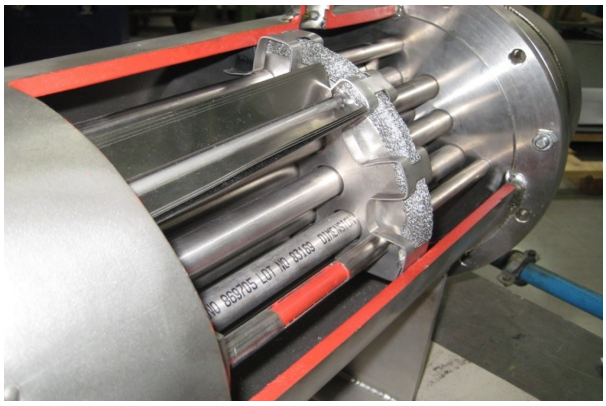
- In order to ensure proper installation, it is important to verify all dimensions from the exchanger detail drawings prior to manufacturing.
- Longitudinal baffle seals are cut to size and supplied to suit the exact length of the baffle plate.
- Transport considerations must be taken into account for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