

# Inline Strainer for Gasketed Plate Heat Exchangers

## Application:

The Inline Strainer removes particulate from the media passing through the heat exchanger via mechanical straining.

- Use the Inline Strainer when particulate concentration and size is such that it would lodge in the plate gaps and cause clogging.
- Use when other media filtration is not present or not adequate.
- The Inline Strainer is installed in the “In” port for the selected media.

## Benefits:

### Easier Maintenance—

- The strainer installs through the loose pressure plate, eliminating the need to unpipe the heat exchanger for strainer maintenance.
- Installation handle on strainer. Even with the largest size, installation and removal is a one-man job.

### Peace of Mind through Quality Design—

- The fixed pressure plate is equipped with a lead-in on the back side. This ensures perfect fit of the strainer to the back of the fixed pressure plate, delivering a complete seal and preventing particulate-laden media from bypassing the strainer.

### The Right Design, Not a “Good Enough” Design—

- Each inline strainer is individually designed in three areas; the hole pattern, material and material thickness. Selection is with these goals in mind.
  1. Filter out particulate that would lodge in the plate gaps, but no more. This results in the required filtration without needless pressure drop.
  2. Provide a design strong enough to withstand the pressure even as the strainer loads with particulate.
  3. Provide the same corrosion resistance as the heat transfer plate material.
- This custom approach enables GEA to design the best solution for each individual application, and maximize heat exchanger performance.



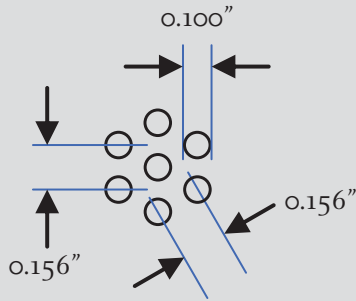
Installation is simple and quick



Cover for the Strainer access located on the Loose Plate

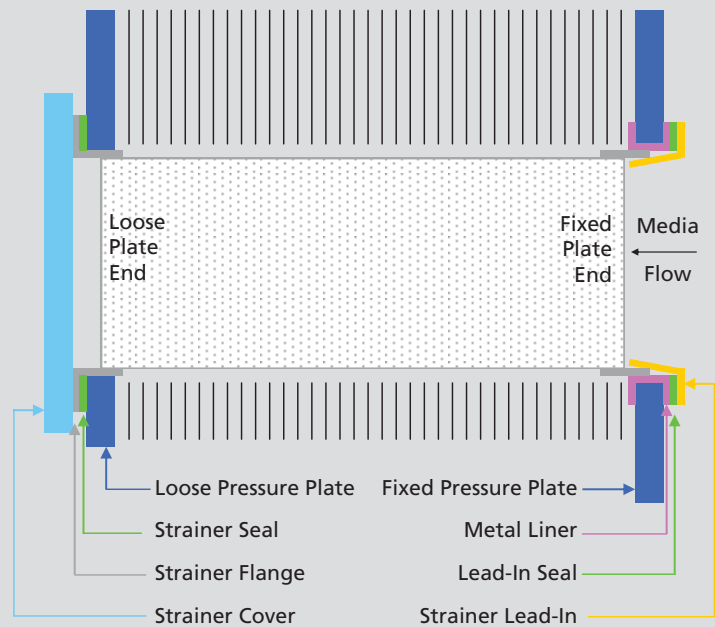
## How does it all fit together?

- Example shown is for a GPHE with a metal liner.
- Drawing is not to scale. For concept illustration only.



### Typical hole pattern

- 0.100" diameter hole
- 0.156" staggered centers



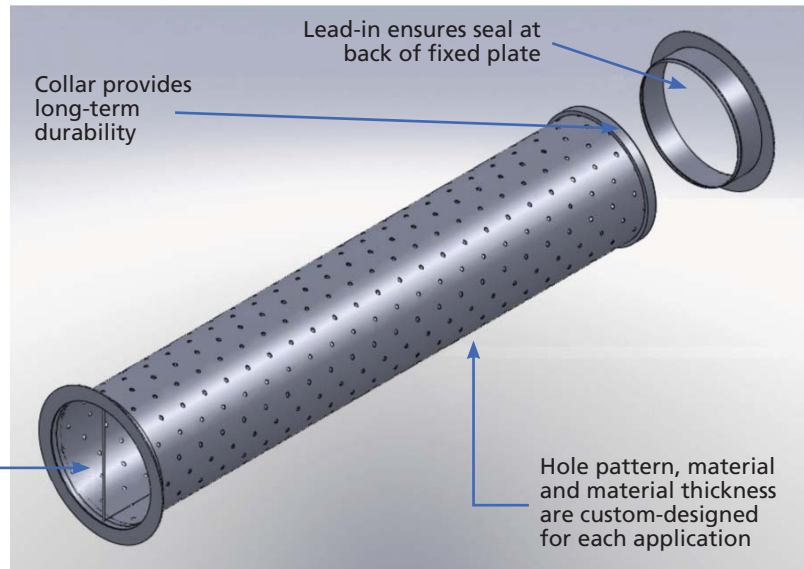
## Inline Strainer: Technical data

Inline Strainer Material: 316 Stainless, 304 Stainless, Titanium. Others on request.

Seal Material: Klinger C4430 as standard, others on request.

Hole Pattern: Designed for each order.

Handle makes maintenance easier



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