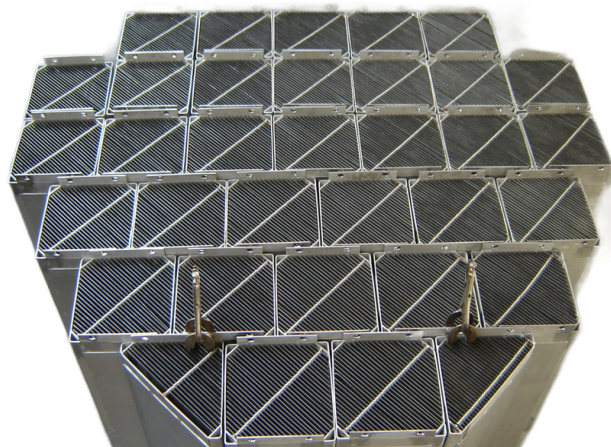


Coalescer-Flat Plate Pack**Product Coding**
P220201XXX**Introduction**

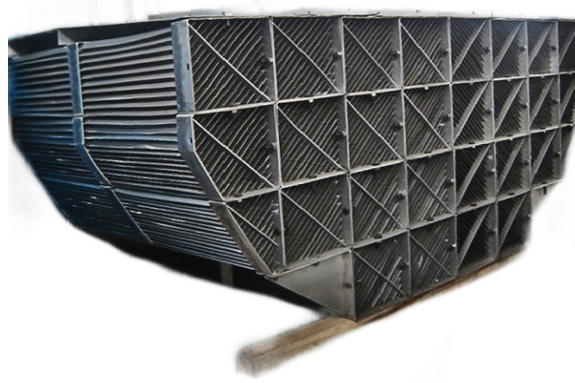
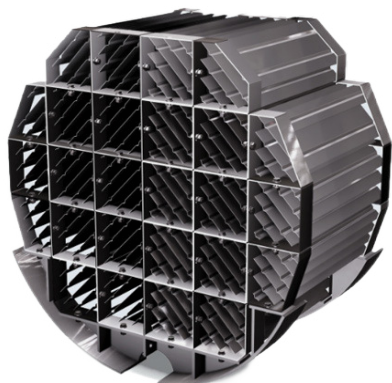
Flat plate packs are specifically designed to be used as effective coalescers in dirty liquid/liquid service where a level of phase separation is required that cannot be obtained in an empty, gravity separator. Coalescer style, face velocity, and configuration will depend on the specific application. Liquid-liquid separator vessels are usually arranged horizontally. The coalescer pack is used to enhance the separation of liquid dispersions and consists of angled, flat metal plates with a spacing and style to suit service conditions. Generally, a 45° slope is used, but this can be increased to 60° for particularly severe fouling service to ensure any solids fall from the plates to avoid plugging. Plate packs operate on the basis of Stokes' Law and are sized to ensure laminar flow through the plates.

**Applications**

- Fouling and severe fouling services
- Fuel and lube oil conditioning
- Liquid/liquid separators
- Food and beverage
- Water treatment
- Haze removal from diesel and kerosene
- Industrial wastewater pretreatment
- Whitewater Clarification

Features

- Typical plate spacing: 15-25 mm
- Easy to pass through vessel manways
- Effective in coalescing all droplets as small as 100 μm to greater than 1000 μm .
- Accepted liquid velocity : 1.0-3.0 m/min



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