

Product Name :
Plate Heat Exchanger**Product Code :**
ALABS-A143-038**Description :**

Plate Heat Exchanger

Technical Specification :

Plate Heat Exchanger

The Plate Heat Exchanger has a single heating section configured for multi-pass operation with passes in series. It comprises seven individual plates, which are clamped together using two stainless steel threaded bars and nuts. It is possible to dismantle and reassemble the heat exchanger using only three plates to demonstrate a single pass.

Technical Details:

The plates used in these heat exchangers have been specifically developed by for use in miniature heat exchanger systems. They are fabricated from 316 stainless steel, with a pressed chevron pattern to promote turbulence and provide multiple support points. Silicone rubber gaskets are used on each plate to seal the adjacent flow channels from each other.

Plate Details:

Plate overall dimensions: 75mm x 115mm.

Effective diameter: 3.0mm.

Plate thickness: 0.5mm.

Wetted perimeter: 153.0mm.

Projected heat transmission area:0.008m² per plate.



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