

ENGINEERING
TOMORROW

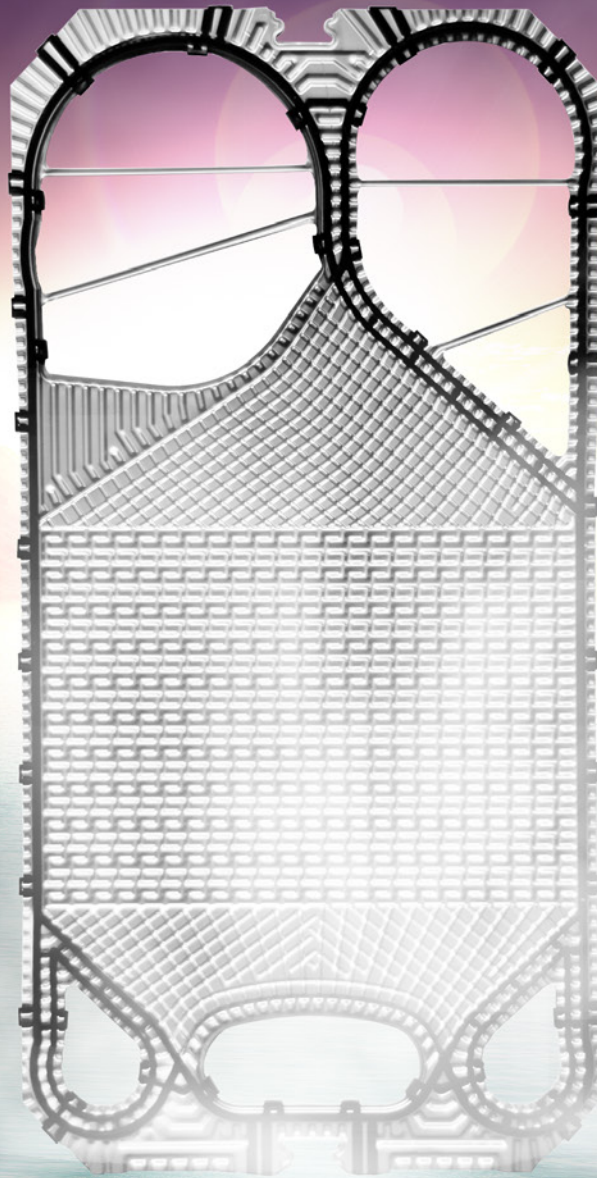
Danfoss

Danfoss | SEC174 evaporator

The sun is rising for the tailor-made SEC174 rising film **plate evaporators**

A UNIQUE

combination of the Free
Flow plate pattern, semi-
welded technology, and
special connections for
evaporation duties



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SONDEX[®]

Special plate design featuring an extra-large inlet connection for steam. Steam consumption can be reduced when operating with multi-stage evaporators, as the product vapor will serve as the heating media.

Flexible design that makes it easy to increase capacity by adding additional cassettes or decrease it to save energy. Low residence time leads to perfect evaporation conditions and superior product quality.

High performance, even with low temperature differences between the media, which is especially great for mechanical vapor recompression (MVR) and thermal vapor recompression (TVR).

SEC174 highlights

Flow rate:

Up to 800 m³/hour

Design:

Designed according to FEA and PED 2014/68/EU (EN13445) and ASME sec VIII, Div. 1 construction standards

Connection size for evaporation media:

DN600

Connection size for steam:

DN450

Plate material:

AISI 304, 316, Titanium. Other materials available upon request

Gasket materials:

EPDM, NBR. Other materials available upon request

Operating temperature:

-10 to 180 °C

Working pressure:

PN6, PN10

Danfoss A/S

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