



The SEC Free Flow Plate Heat Exchanger

The Future of Plate Heat Exchangers has Arrived.

Evolution in Progress

Introducing the highly efficient S.E.C. wide gap heat transfer plate.
A solution for applications where the fluid stream contains solids and fibrous materials.

We have solved one of the biggest limitations of standard Plate and Frame heat exchangers.
'Their inability to pass solids and fibrous materials.'

The gap between the plates on standard heat transfer plates is too small to allow these particles to pass freely. Particles get caught in this narrow gap and contribute to blockage of the flow path.

Designed to handle many applications in a single pass. All connections are located on the front of the exchanger. The Plates feature no metal-to-metal contact points between the plates within the heat transfer area occupied by the fluid. The gap between the metal heat transfer boundary area on the plates is 5.0 mm when compressed, greater than any traditional plate heat exchanger.

Maintenance of a SEC Free Flow Plate Exchanger is no different than in a standard design.

High heat transfer rates, easily cleaned and maintenance friendly, make the SEC Free Flow Plate Exchanger the next evolution of Plate Heat Exchangers.

Standard Plate Materials are: AISI 316, Titanium

Other Available Plate Materials are: 254 SMO, Hastelloy,
(various other Pressable Materials)

Standard Gasket Materials: Nitrile, EPDM

Other Available Gasket Material: Viton

The SEC Heat Exchangers Free Flow Plates incorporates an adhesive free gasketing system. The gaskets utilize rubberized tie points to assist in plate alignment and plate interlocking during the assembly or maintenance of the Plate Exchanger.

**SEC Heat Exchangers
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selection assistance and ordering.***

