HFM Plate & Shell Heat Exchanger

——Designed for High Thermal Efficiency

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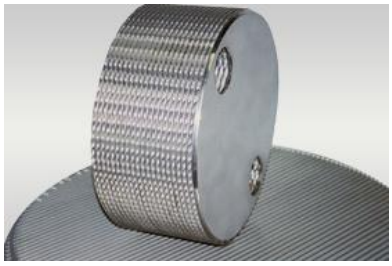
Best of Both

Plate and Shell heat exchangers combine the benefits of both plate heat exchanger and shell and tube heat exchanger.

Retaining the high working pressure and temperature of tubular heat exchanger coupled with the high efficiency of plate heat exchangers, plate and shell heat exchangers provide unmatched performance for a wide range of applications.



Common Applications

Evaporation	Chemical Processes
Condensation	NH3 Applications
Heat recovery	Liquid/liquid Applications
Fuel oil heaters	Steam/liquid Applications

The Plate and Shell heat exchanger is available as a fully-welded or a bolted solution, depending on your specifications.

The heat exchanger features a fully welded plate pack making it well-suited for handling aggressive media, as well as high pressure and temperatures.

The **single-pass** plate and shell heat exchanger is ideal for handling duties with low thermal requirements that need short plates for efficient heat transfer.
For **higher thermal** requirements, the plate and shell heat exchanger can be designed as a **multi-pass** solution.

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Plate and Shell Heat Exchangers

Technical Specifications

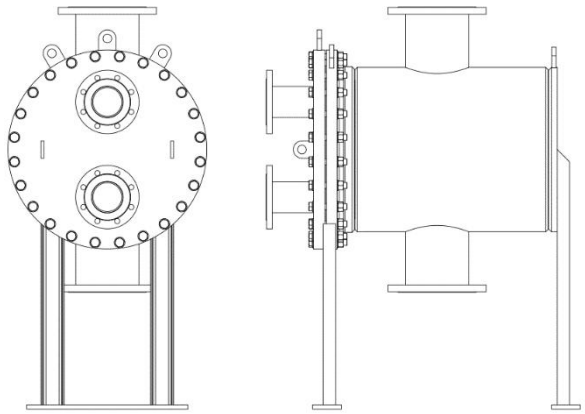

Plate and Shell opened type

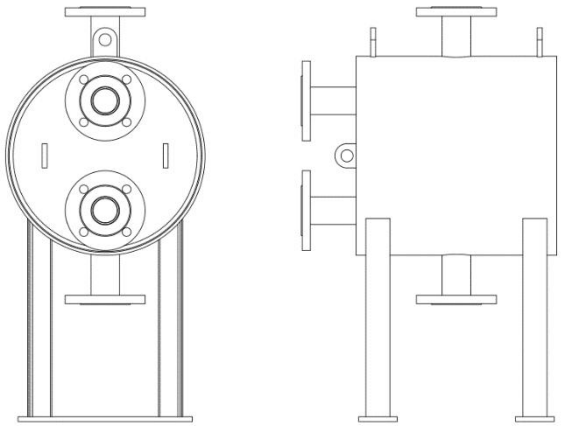

Plate and Shell fully-welded type

Type	Plate Diameter (mm)	Plate side connection distance (mm)	Plate side Connection	Design Pressure (MPa)	Design temperature (°C)
HFMS40A	242	164	DN40	Up to 6.4 MPa	Up to 400°C
HFMS50A	323	227	DN50	Up to 6.4 MPa	Up to 400°C
HFMS100A	480	330	DN100	Up to 6.4 MPa	Up to 400°C
HFMS125A	680	480	DN125	Up to 6.4 MPa	Up to 400°C
HFMS150A	862	650	DN150	Up to 6.4 MPa	Up to 400°C
HFMS200A	998	780	DN200	Up to 6.4 MPa	Up to 400°C
HFMS250A	1196	832	DN250	Up to 6.4 MPa	Up to 400°C
HFMS300A	1236	850	DN300	Up to 4.0 MPa	Up to 400°C

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Benefits of HFM Plate and Shell Heat Exchanger

- High pressure
- High temperature
- High heat transfer coefficient
- Compact
- Low cost
- No gasket
- Low fouling
- Easy maintenance

Material Specifications:

Shell Material:
Carbon steel, Stainless steel
Plate Material:
AISI316, AISI904, Titanium,
Construction Standard:
PED, ASME, NB/T47004
Other specifications available upon request.

HFM Plate and Shell Heat Exchangers Offer:

- Customized solutions that perfectly match your requirements.
- A small footprint compared to tubular heat exchangers.
- Reduced energy consumption.
- A proven, technologically superior solution.

All HFM Plate and Shell heat exchangers are customized according to your specifications and requirements!

Know more about HFM plate heat exchangers, follow us on LinkedIn.

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