

Plate Heat Exchangers
RFQ Data Sheet



FROM

DATE

NAME OF PROJECT

| Description | Hot Side/Product Side | Cold Side/Medium Side |
|--|-----------------------|-----------------------|
| Type Of Fluid | | |
| Concentration (%) | | |
| Flow Rate (Lb/Hr,gpm,M3/Hr,Liter/Hr) | | |
| Inlet temp. (Deg.F or Deg.C) | | |
| Outlet temp. (Deg.F or Deg.C) | | |
| Pr.Drop (PSI or Ft) | | |
| Heat Exchanged (Btu/Hr) | | |
| Specific Gravity | | |
| Specific Heat (Btu/Lb*Deg.F) | | |
| Thermal Conductivity (Btu/Hr*Ft*Deg.F) | | |
| Viscosity @ Inlet temp. | | |
| Viscosity @ outlet temp. | | |
| Plate material (304/316/Titanium) | | |
| Gasket material (Nitrile / EPDM/Viton) | | |
| Design Pressure (PSI) | | |
| Test Pressure (PSI) | | |
| Design code : ASME Sec.VIII | Required | - Not Required |
| Design code : | Required | Not Required |

Additional Information:

Plate & Frame Heat Exchangers Series "APFT"



Application:

APFT series is a gasketed plate heat exchanger for multiple applications. Variety of materials that work across a broad range of liquids, temperatures and pressures. Well-suited for many commercial and industrial applications:

| | | | |
|------|------------------|-------|-----------|
| HVAC | Chemical | Sugar | Marine |
| Food | Renewable Energy | Power | Petroleum |

Benefits:

Versatility

- A wide variety of materials, sizes, and plate configurations combine with sophisticated selection software to ensure a perfect selection, whatever your needs.
- The compact footprint allows you to use it in locations that you wouldn't dream of with a shell-and-tube heat exchanger.

Higher Performance at a Lower Cost

- Our plate corrugations distribute the liquid evenly across the entire plate width, maximizing heat transfer and minimizing the number of plates (and cost) required.

Peace of Mind

- Heat transfer equipment and systems innovators since 1939.
- Independent performance certification to ASME and other standards.

Convenient Maintenance

- Our plate lead-ins cause the plate pack to self-align when re-installing.
- Special designed tools-free gaskets make gasket replacement a snap.
- Individual plates mean no heavy lifting tools are needed. Faster more efficient maintenance, with shorter down times.

Long Service Life

- Careful corrugation design provides the ideal balance of high turbulence and proper fluid distribution, reducing fouling from less-than-perfect media.



ASF53 Free Flow Plate Heat Exchangers

The ASF53 ALSTROM Free Flow plate heat exchanger is specially developed for the fruit juice, sugar and the general industrial markets handling fluids which contain fibre and solids. With its plate length of 1.6 mm the plate makes it possible to cover many duties in a single pass solution, meanings that all the connections will be on the head of the heat exchanger, which is of big advantage during service work.

The plate pattern is designed without metal contact between the plates in the liquid area.

The plate gab for this plate range is 5.4 mm between the plates.

The plate pattern and inlet area are also designed for CIP cleaning, which makes the service of the PHE easy.

Plates:

Standard material:

AISI 316

Not standard: 254 SMO, Hastelloy and other pressable materials.

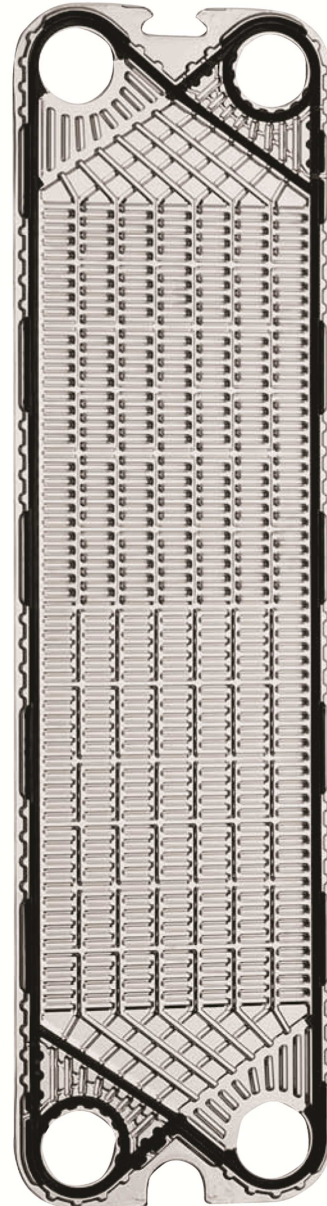
Gaskets:

The gasket is the unique "Sonder lock" gasket.

The "Sonder lock" gasket locks the plates together with strong rubber buttons, so that the plates are strongly guided during the assembling of the plate heat exchanger.

Standard material: Nitrile and EPDM.

Not standard: Viton.



Technical Information:

Frame:

Painted frame with placement of clamping bolts on the frame edge.

Standard color: Blue RAL 5010

can be made in other colors.

Stainless frame for the food and Dairy market

Working pressure:

The frames are designed to the following working pressure

0.6 MPa /1.0 MPa /1.6MPa

Connections:

DN100 flange according to all known standards.

In carbon steel or rubber lined.

DN80/DN100 dairy pipe or dairy union according to all known standards.

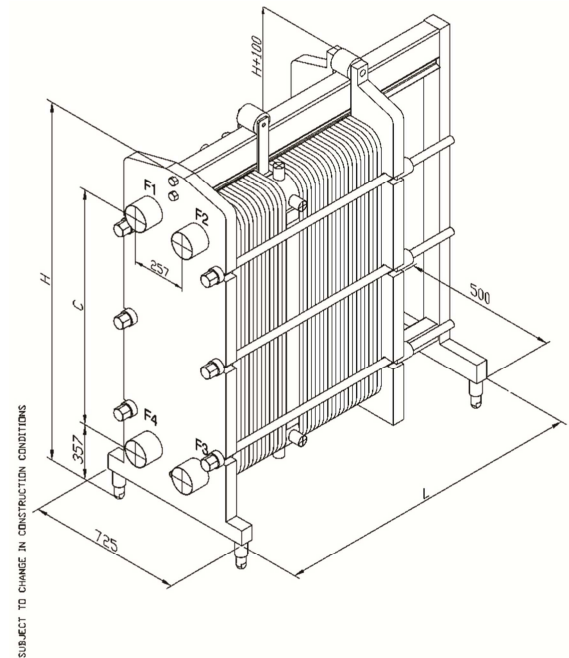
Extra Equipment:

Screen plate in stainless steel.

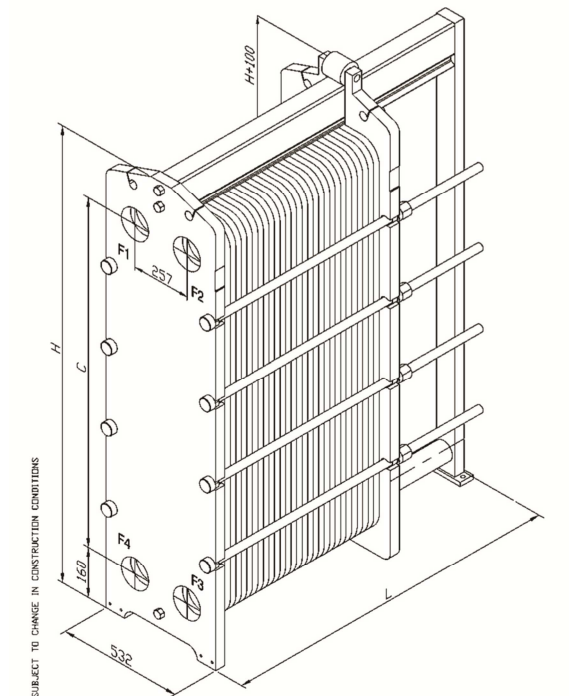
Insulation jacket.

Spanner.

Foundation feet for frame.



| FRAME SIZE | DIMENSION H | DIMENSION C |
|------------|-------------|-------------|
| S52/SF53 | 2010 | 1398 |



| FRAME SIZE | DIMENSION H | DIMENSION C |
|------------|-------------|-------------|
| S52/SF53 | 1810 | 1398 |

- Shell & Tube Heat Exchangers
- Shell & Coil Heat Exchangers
- Plate & Frame Heat Exchangers
- Replacement Tube Bundles
- Unfired Steam Generators
- Hot Water Generators
- Instantaneous Water Heaters
- Heat Recovery Systems
- Asphalt Heaters
- Packaged Pumping Systems
- Fuel Oil Preheaters
- Fuel Oil Heaters
- Liquid/Vapor Separators
- Heat Recovery Boilers
- Deaerators

//ASF53PFHE

ASF66 Free Flow Plate Heat Exchangers

The ASF66 ALSTROM Free Flow plate heat exchanger is specially developed for the pulp and paper, sugar and the general industrial markets handling fluids which contain fibres and solids.

With its plate length of 2.6 m the plates make it possible to cover many duties in a single pass solution, meaning that all the connections will be on the head of the heat exchanger, which is of big advantage during service work. The plate pattern is designed without metal contact between the plates in the liquid area. The plate gap for this plate range is 20 mm between the plates.

The plate pattern and inlet area are also designed for CIP cleaning, which makes the service of the PHE easy.

Plates:

Standard material:

AISI 304 and AISI 316

Not standard: 254 SMO, Hastelloy and other pressable materials.

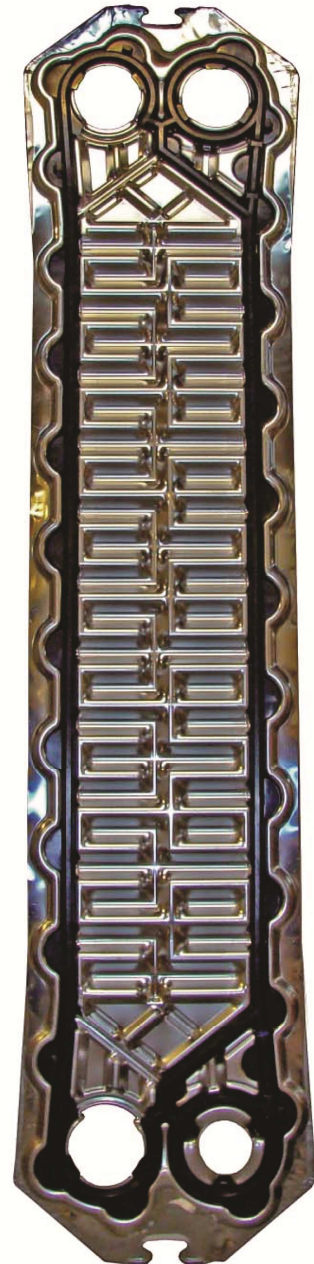
Gaskets:

The gasket is the unique "Sonder Lock" gasket.

The "Sonder Lock" gasket locks the plates together with strong rubber buttons, so that the plates are strongly guided during the assembling of the plate heat exchanger.

Standard material: Nitrile and EPDM.

Not standard: Viton.



Technical Information:

Frame:

Painted frame with placement of clamping bolts on the frame edge.
Standard color: Blue RAL 5010.
Can be made in other colors.

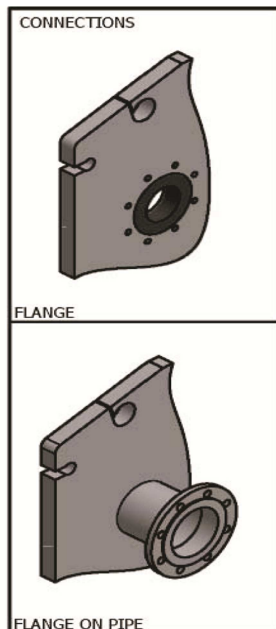
Working pressure:

The frames are designed to the following working pressure
0.6 MPa / 1.0 MPa.

Construction:

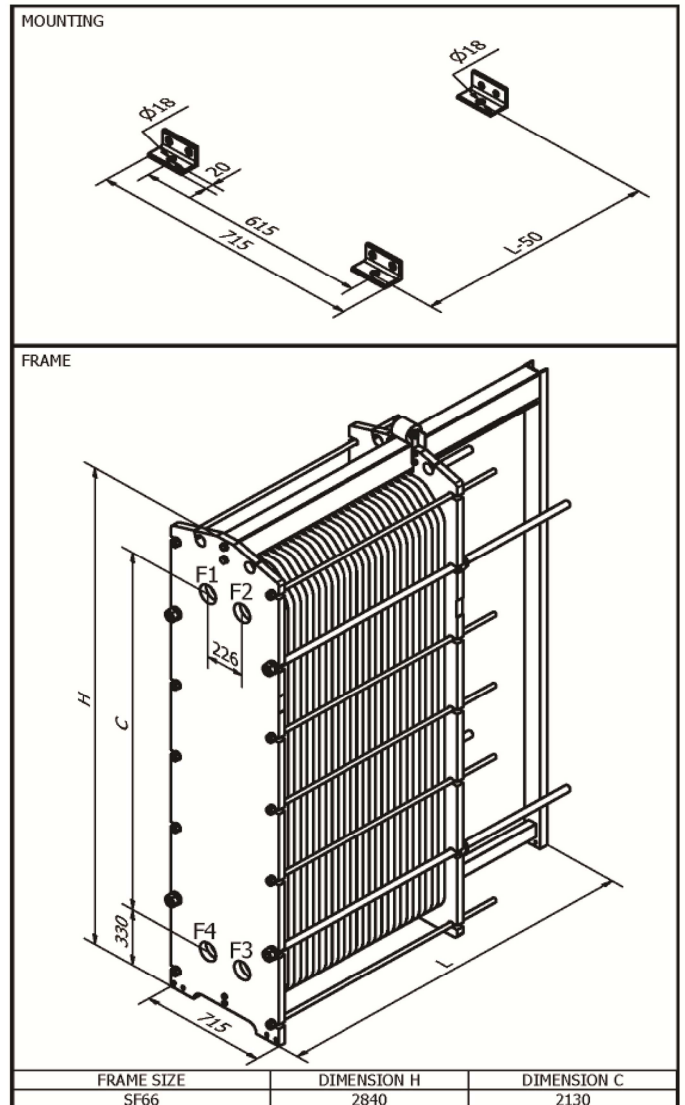
ASME Sec.VIII

Extra Equipment:



Screen plate in stainless steel.
Insulation jacket.
Spanner.
Foundation feet for frame.

DN100/125/150 flange according all known standards. 4" or 6" ANSI 150# Flange.
In carbon steel, rubber lined, stainless steel lined.



ASF101 ASF131 ASF 229 Free Flow Plate Heat Exchangers

The ASF101, ASF131 and ASF229 range of ALSTROM Free Flow plate heat exchangers are specially developed for the pulp and paper, sugar and the general industrial markets handling fluids which contain fibre and solids.

This plate range with lengths from 1.8 m to 3.5 m makes it possible to cover almost all duties in a single pass solution, meaning that all the connections will be on the head of the heat exchanger, which is of big advantage during service work.

The plate pattern is designed without metal contact between the plates in the liquid area.

The plate gap for this plate range is 6 mm between the plates.

The plate pattern and inlet area are also designed for CIP cleaning, which makes the service of the PHE easy.

Plates:

Standard material:

AISI 304, AISI 316 and Titan

Not standard: 254 SMO, Hastelloy and other pressable materials.

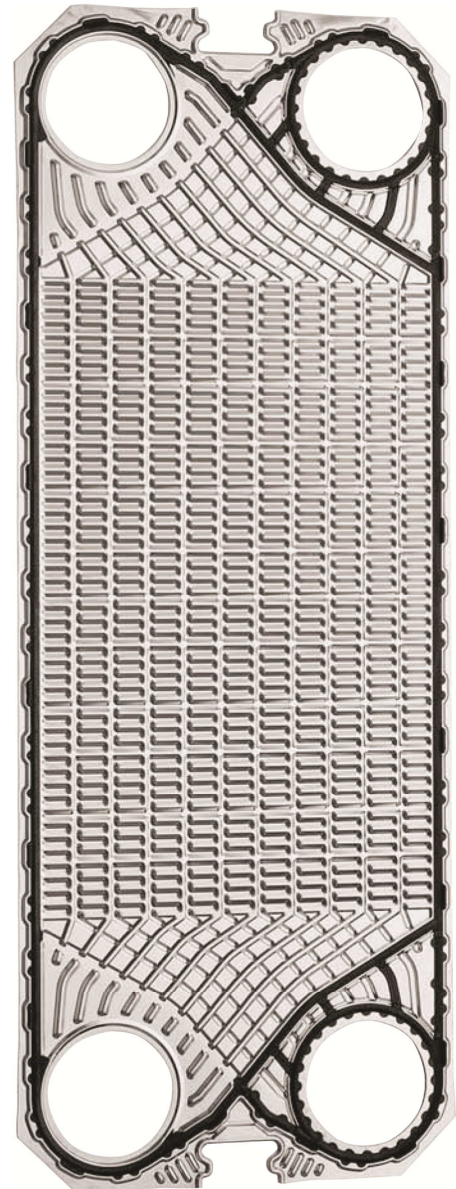
Gaskets:

The gasket is the unique "Sonder lock" gasket.

The "Sonder lock" gasket locks the plates together with strong rubber buttons, so that the plates are strongly guided during the assembling of the plate heat exchanger.

Standard material: Nitrile and EPDM.

Not standard: Viton.



Technical Information:

Frame:

Painted frame with placement of clamping bolts on the frame edge.
Standard color: Blue RAL 5010.
Can be made in other colors.

Working pressure:

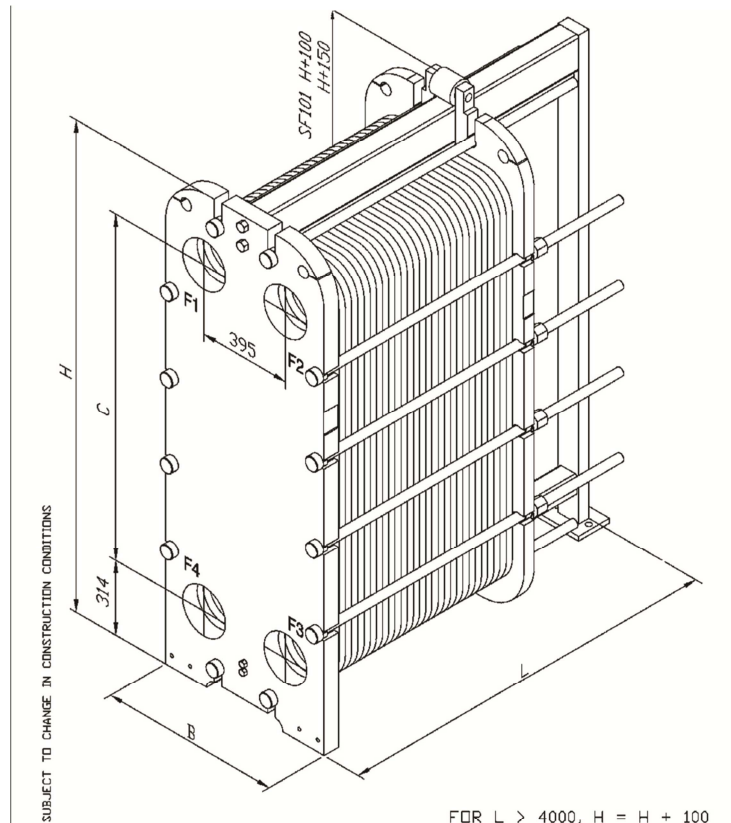
The frames are designed to the following working pressure
0.6 MPa / 1.0 MPa.

Extra Equipment:

Screen plate in stainless steel.
Insulation jacket.
Spanner.
Foundation feet for frame.

Connections:

DN200 flange according to all known standards. In carbon steel, rubber lined, stainless steel or titanium lined.



FOR L > 4000, H = H + 100

| FRAME SIZE | DIMENSION H | DIMENSION C | DIMENSION B |
|------------|-------------|-------------|-------------|
| SF101 | 2104 | 1489 | 800 |
| SF131 | 2505 | 1891 | 800 |
| SF229 | 3705 | 3091 | 800 |

PLATE HEAT EXCHANGER GROUP:

SF131, SF229 & (SF101)

