



Gasket Plate and Frame heat exchanger

Introduction

A gasketed plate heat exchanger is a type of heat exchanger that consists of a series of corrugated metal plates sealed together with gaskets. The plates are typically made of stainless steel or other materials with good heat transfer properties. The gaskets, usually made of elastomer or other compatible materials, create a seal between the plates and ensure that the fluids remain separate.

Benefits

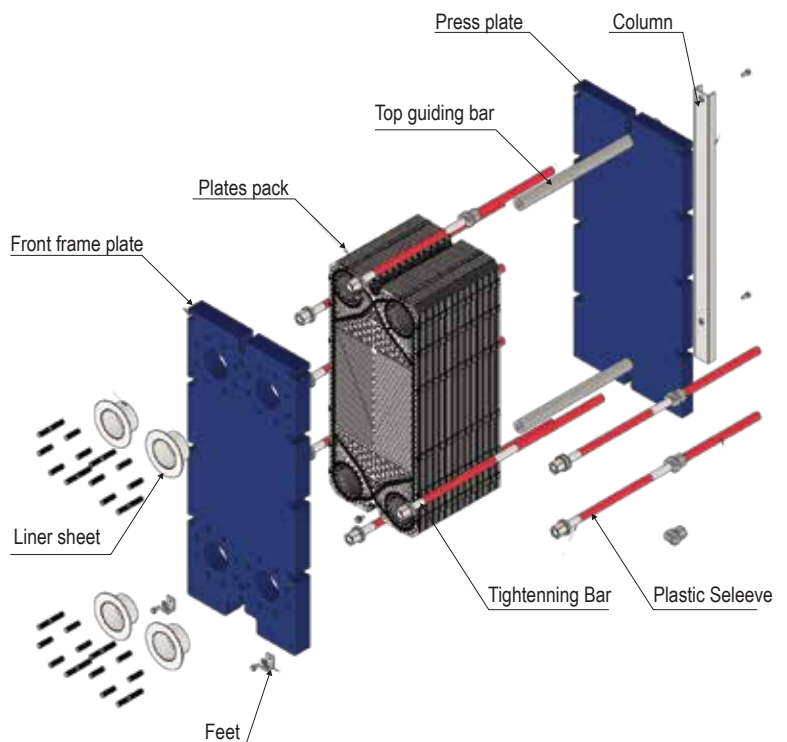
- High energy efficiency – low operating cost
- Flexible configuration – heat transfer area can be modified
- Easy to install – compact design
- High serviceability – easy to open for inspection and cleaning and easy to clean by CIP

Features

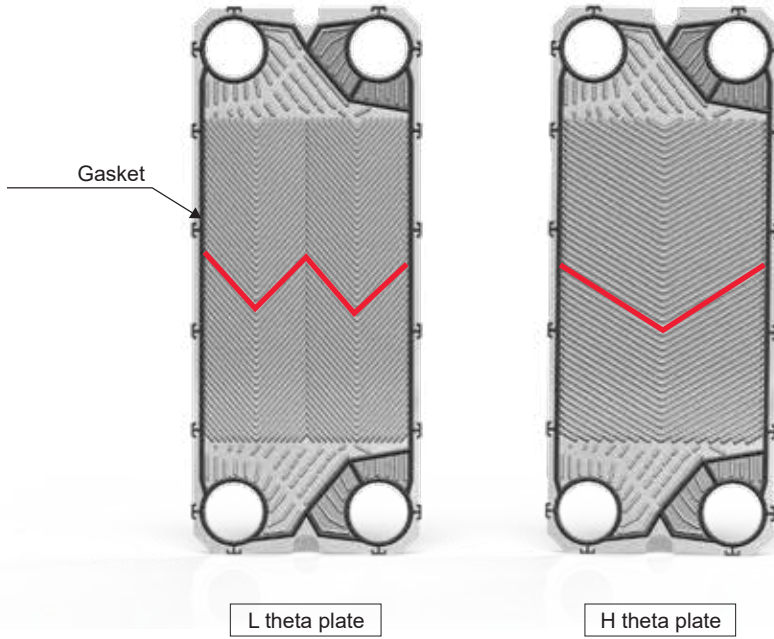
- Gaskets and Sealing:
- Counter-Current Flow:
- Flexibility and Modularity:
- Easy Maintenance and Cleaning:

Applications

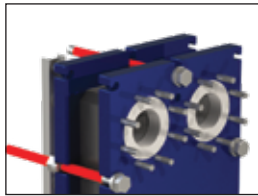
- Biotech and Pharmaceutical
- Chemicals
- Energy and Utilities
- Food and Beverages
- Home and Personal care
- HVAC and Refrigeration
- Machinery and Manufacturing
- Marine and Transportation
- Mining, Minerals and Pigments
- Pulp and Paper
- Semiconductor and Electronics
- Steel
- Water and Waste treatment



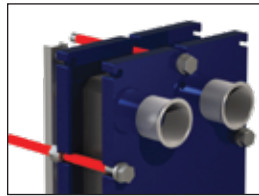
Gasket plate heat exchanger construction



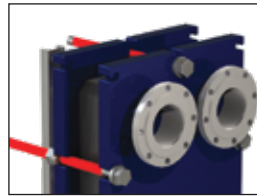
Connections Available



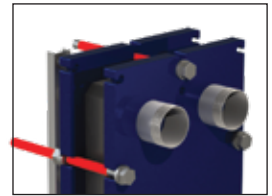
Studs types



Clamp



Flange



Thread

Model Code Explanation:

Product series:

B = regular,

L = long & thin type

S = Short & wide type

Model number

Plates number

BB 60 B- 100 D

Pressure level:

B = 10 bar,

H = 16 bar

Plate depth: B= Thin type

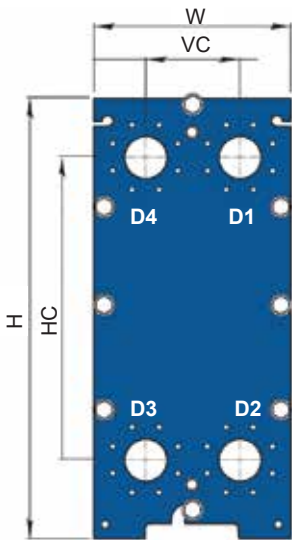
H= Thick type

Plate Group type:

D= High theta

X= Low theta

H= Mixture theta



Material

Plates	304, 316L, SMO, C276, NI, Titanium
Gaskets	NBR, EPDM, FKM
Flange connections	Carbon steel, Stainless, Titanium, Rubber lined
Frame plate	Carbon steel, epoxy painted

Flow direction:

Hot In: D1 -> Hot out: D2 , Cold In: D3 -> Cold Out: D4

Hot In: D4 -> Hot out: D3, Cold In: D2 -> Cold Out: D1

Model	W	H	HC	VC	Free channel	Connection Standard
B30B	180	480	60	357	2.5	DN25
B60B	320	920	140	640	2	DN50
B60H	320	920	140	640	3	DN50
B100B	454	1045	225	719	2.55	DN100
B100H	454	1045	225	719	3.95	DN100
B150B	610	1815	298	1294	2.5	DN150
B150H	610	1815	298	1294	3.95	DN150
B200B	780	2260	353	1478	2	DN200
B200P	780	2260	353	1478		DN200
B200H	780	2260	353	1478	4	DN200
B250B	920	2903	439	1939	2.5	DN250
B250H	920	2903	439	1939	4	DN250
B300B	1150	2882	596	1842	3.2	DN300 / 350
LB60B	320	1264	140	1036	2	DN50
LB100B	480	1888	225	1338	2	DN100
LB100P	480	1888	225	1338	3	DN100
LB150B	610	2752	288	2035	2.5	DN150
LB350B	1154	3210	578	2177	2.5	DN300 / 350
SB60H	400	704	203	380	4	DN50
SB200H	800	1405	363	698	4	DN200

*unit= mm