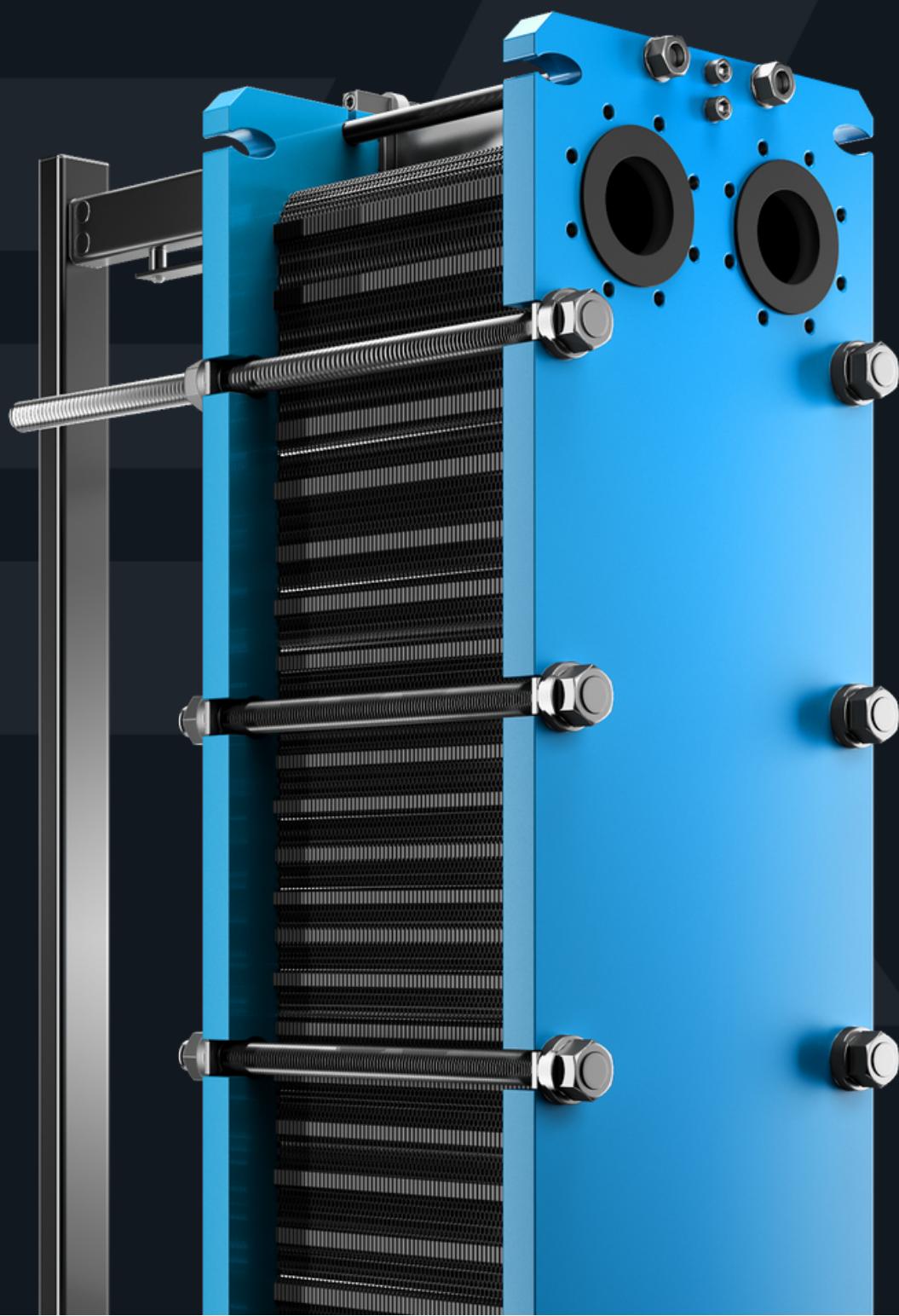


**F**

## PLATE & FRAME HEAT EXCHANGER



# F

## PLATE & FRAME HEAT EXCHANGER

Plate heat exchangers from the F series are reliable, proven devices that are the optimal solution for heat exchange processes and the operation of technological processes.

Among the solutions available on the market, these heat exchangers are characterized by the highest heat exchange efficiency. They can be used even in cases of very small temperature differences between the media. The high structural flexibility of the plate heat exchanger allows for its perfect adaptation to the required operating conditions, thanks to a variety of plate sizes, plate materials, gasket materials, and different flow channel geometries.

The disassemblable construction of the heat exchanger enables its expansion and disassembly for periodic maintenance activities, including mechanical cleaning.

### APPLICATION



CENTRAL HEATING SYSTEMS



POOL INSTALLATIONS



REFRIGERATION



INDUSTRIAL INSTALLATIONS



RENEWABLE ENERGY SOURCES



TECHNOLOGICAL INSTALLATIONS



FOOD INSTALLATIONS

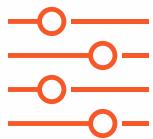


CIP

## ADVANTAGES



HIGH THERMAL EFFICIENCY



THE ABILITY TO CUSTOMIZE THE CONSTRUCTION OF THE HEAT EXCHANGER TO THE REQUIRED OPERATING PARAMETERS OF THE INSTALLATION BY SELECTING THE APPROPRIATE QUANTITY AND SIZE OF HEATING PLATES.



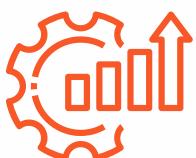
COMPATIBLE WITH ALL HEAT SOURCES.



HEATING PLATES MADE OF STAINLESS STEEL OR TITANIUM FOR USE IN SYSTEMS WITH AGGRESSIVE FLUIDS OR SALTWATER POOLS.



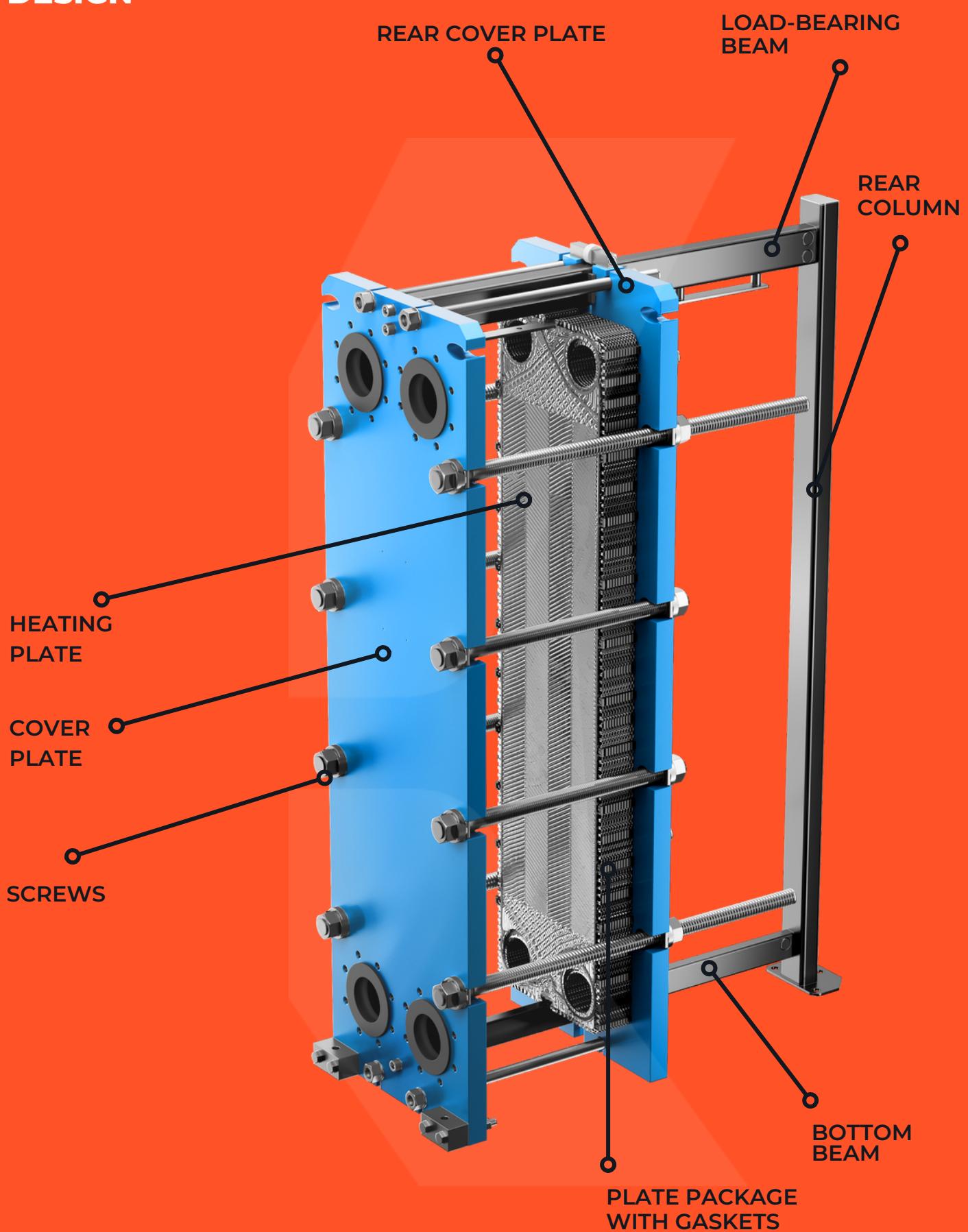
DISASSEMBLABLE CONSTRUCTION - ALLOWS FOR CLEANING AND POTENTIAL EXPANSION.



WIDE RANGE OF PRODUCTS.

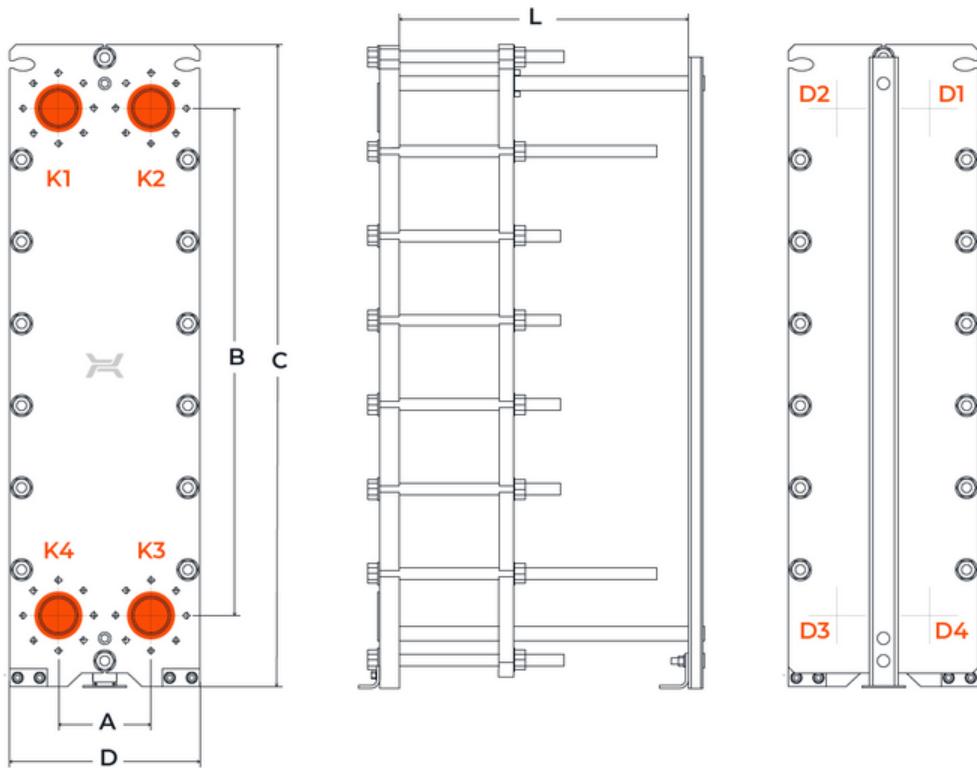


# DESIGN



## WORKING PARAMETERS

- operating pressure depending on the model: 150, 250 psi.
- maximum temperature: 350°F
- minimum temperature: -4°F



## TECHNICAL PARAMETERS

Typ	Max. no. of plates.	Type of connections.	Dimensions of connections	Dimensions					Max. allowable pressure
				in					
				A	B	C	D	F max	PSI
FA-004	2.87	Threaded connections	1 1/4" NPT	2.76	15	18.62	8.03	500	150, 250
FB-007	6.18	Threaded connections	2" NPT	4.96	15.51	23.46	12.60	1000	150, 250
FB-020	6.18	Threaded connections	2" NPT	4.96	35.20	43.15	12.60	1000	150, 250
FC-009	6.38	Flange holes	2 1/2"	7.56	14.96	26.1	15.55	1000	150, 250
FC-031	6.38	Flange holes	2 1/2"	7.56	41.34	52.48	15.55	1000	150, 250
FD-051	17	Flange holes	4"	8.86/ 9.05	53.74	68.11	20.08	4000	150, 250

## ACCESSORIES

**Thermal insulation**  
for plate heat exchangers is  
made of rock wool covered  
with aluminum (AMWI).



**Drip tray**  
Used for collecting  
condensation in  
refrigeration applications.



The background of the image is a dark gray, almost black, with several abstract geometric shapes in a lighter shade of gray. These shapes include a large, irregular polygon in the center, a smaller rectangle on the left, and a trapezoid at the bottom. The edges of these shapes are slightly blurred, giving them a soft, organic appearance.

hexonic.com