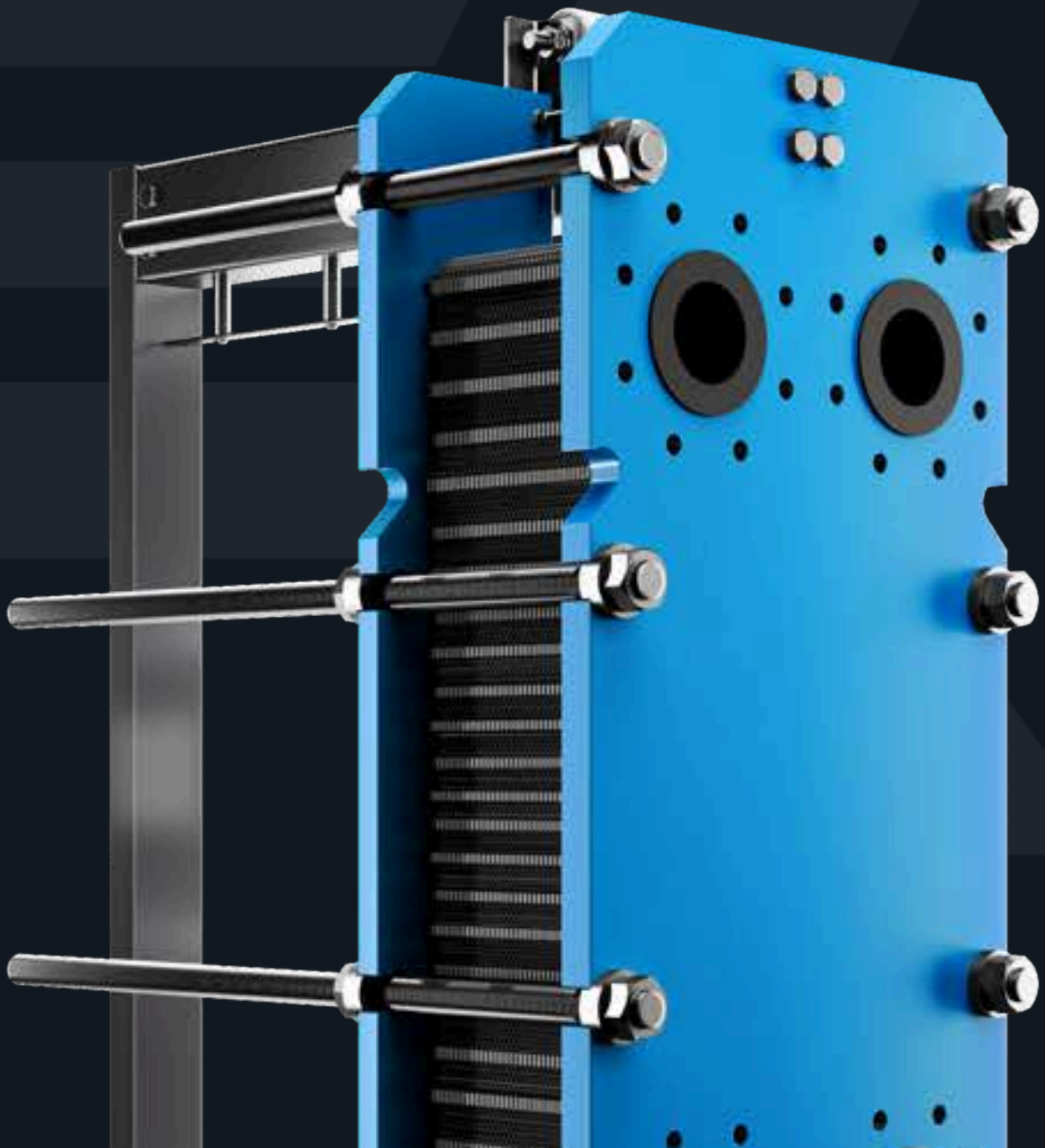
Hexonic | HEAT EXCHANGERS

F

PLATE & FRAME HEAT EXCHANGER



F

PLATE & FRAME HEAT EXCHANGER

Plate and frame heat exchangers from the F series are reliable and proven devices, providing an optimal solution for heat exchange and 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 and materials, gasket types, and different flow channel geometries.

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

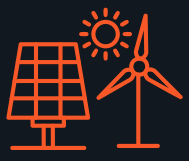
APPLICATION

CENTRAL HEATING SYSTEMS

POOL INSTALLATIONS

REFRIGERATION

INDUSTRIAL INSTALLATIONS



RENEWABLE ENERGY SOURCES

TECHNOLOGICAL INSTALLATIONS

FOOD INDUSTRY

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

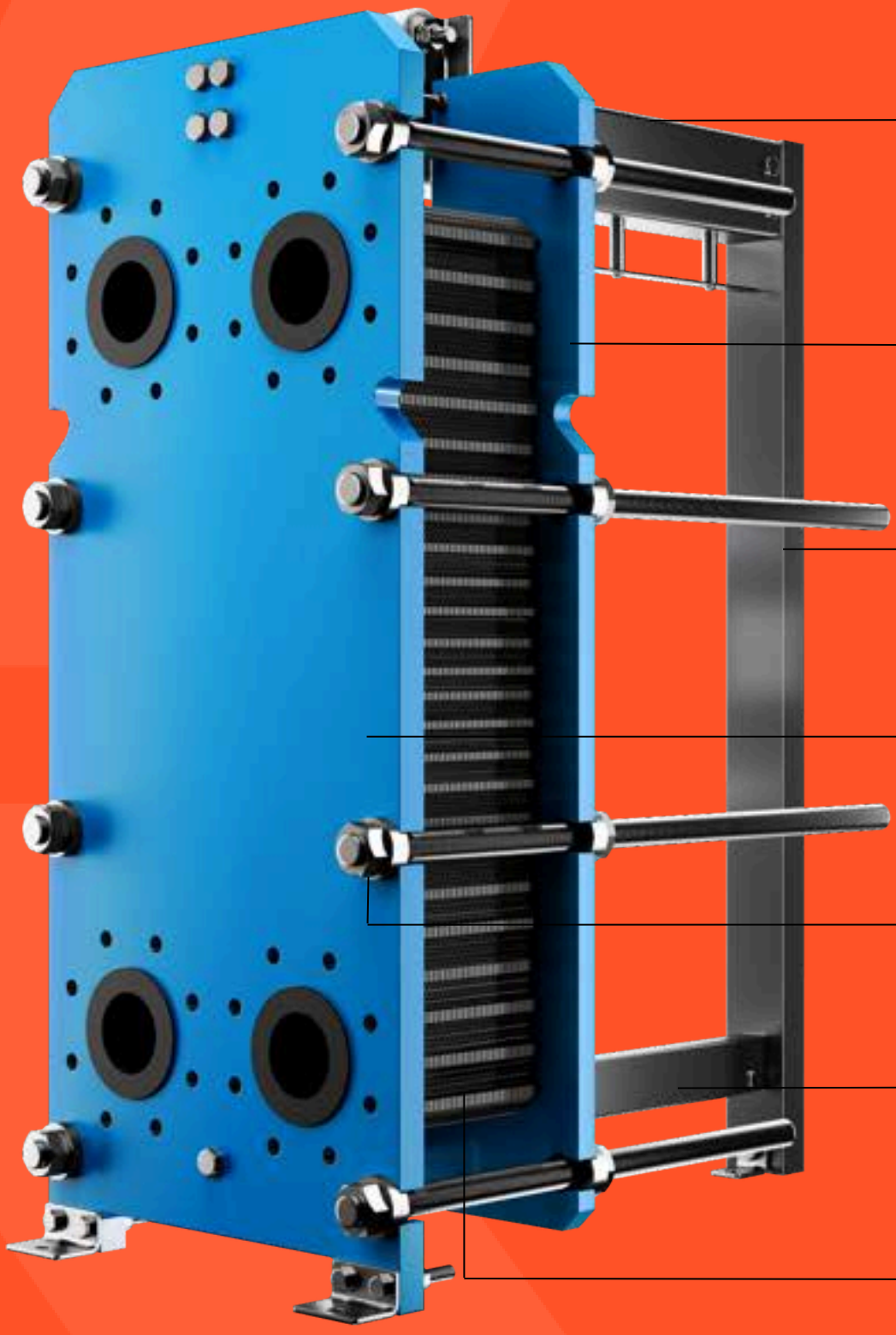
COMPATIBLE WITH ALL TYPES OF HEAT SOURCES

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



LOAD-BEARING BEAM

REAR COVER PLATE

REAR COLUMN

COVER PLATE

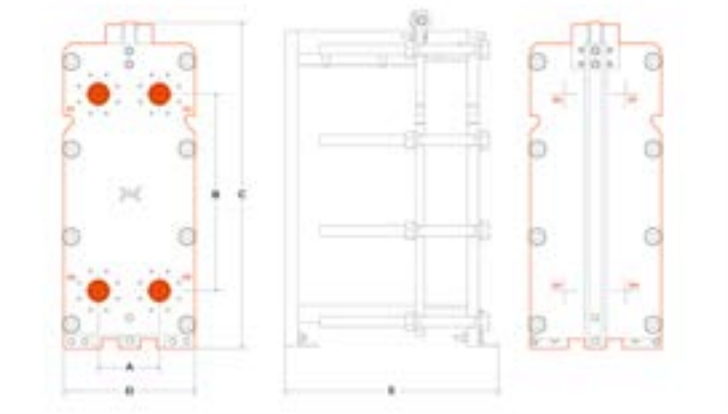
SCREWS

BOTTOM BEAM

PLATE PACKAGE WITH GASKETS

WORKING PARAMETERS

- Operating pressure, depending on the model: 6, 10, 16, 25 bar
- Maximum temperature, depending on the applied gaskets: 130°C (NBR), 150°C (EPDM)
- Minimum temperature: -10°C



TECHNICAL PARAMETERS

Type	Dimensions					Max. allowable pressure (bar)	Max. no. of plates	Type and material of connections	Connection sizes
	A [mm]	B [mm]	C [mm]	D [mm]	E max [mm]				
FA-004	70	381	473	204	605	6, 10, 16, 25	91	Threaded connections, Nozzle material: SS, TI	G1,25"
FA-008	70	656	755	204	605	6, 10, 16, 25	91	Threaded connections, Nozzle material: SS, TI	G1,25"
FB-007	126	394	596	300	1163	6, 10, 16, 25	148	Threaded connections, Nozzle material: SS, TI	G2"
FB-014	126	694	896	300	1163	6, 10, 16, 25	148	Threaded connections, Nozzle material: SS, TI	G2"
FB-020	126	894	1096	300	1163	6, 10, 16, 25	148	Threaded connections, Nozzle material: SS, TI	G2"
FC-009	192	380	626	395	1125	6, 10, 16, 25	180	Flange holes, Liner material: NBR, EPDM, VITON, SS, TI	DN65
FC-019	192	700	946	395	1125	6, 10, 16, 25	180	Flange holes, Liner material: NBR, EPDM, VITON, SS, TI	DN65
FC-031	192	1050	1296	395	1125	6, 10, 16, 25	180	Flange holes, Liner material: NBR, EPDM, VITON, SS, TI	DN65
FD-021	225	719	1187	480	3175	6, 10, 16, 25	510	Flange holes, Liner material: NBR, EPDM, VITON, SS, TI	DN100
FD-051	225	1365	1754	480	3175	6, 10, 16, 25	510	Flange holes, Liner material: NBR, EPDM, VITON, SS, TI	DN100
FE-041	296	890	1544	608	4210	6, 10, 16, 25	660	Flange holes, Liner material: NBR, EPDM, VITON, SS, TI	DN150
FE-062	296	1292	1946	608	4210	6, 10, 16, 25	660	Flange holes, Liner material: NBR, EPDM, VITON, SS, TI	DN150
FE-086	296	1694	2348	608	4210	6, 10, 16, 25	660	Flange holes, Liner material: NBR, EPDM, VITON, SS, TI	DN150

All dimensions and technical data are approximate only and may be changed without further notice.

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.