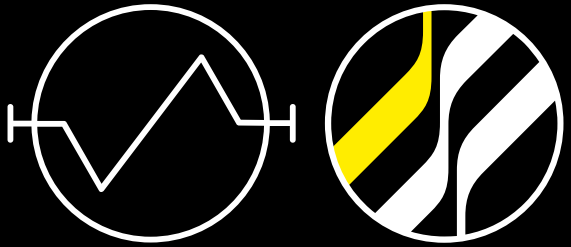

Kelvion
YEARS OF EXPERTISE
100
Product Line: Brazed Plate Heat Exchangers
TAILOR-MADE FOR THE MOST VARIED APPLICATIONS

KELVION – A TRIBUTE TO LORD KELVIN (1824 - 1907)



Lord Kelvin formulated the laws of thermodynamics and absolute units of temperature are stated in kelvin, in his honor.

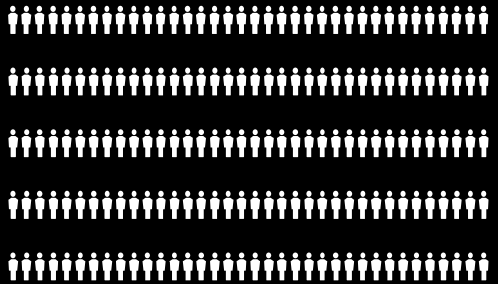
OUR LOGO – INSPIRED FROM THE SCHEMATIC FOR HEAT EXCHANGER



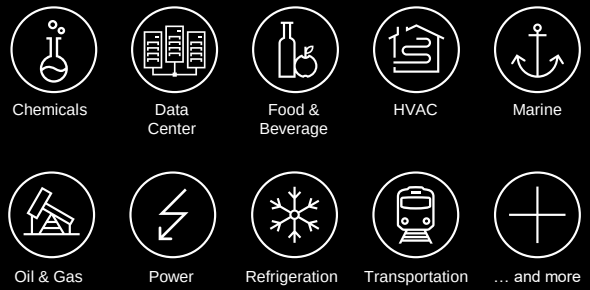
67 BRANCHES AND SALES PARTNERS WORLDWIDE



5,000 EMPLOYEES – WORLDWIDE



YOUR MARKETS ARE OUR MARKETS



KELVION HAS A LONG HISTORY

2015 With the new name, the former GEA Heat Exchangers is writing its own history as Kelvion.

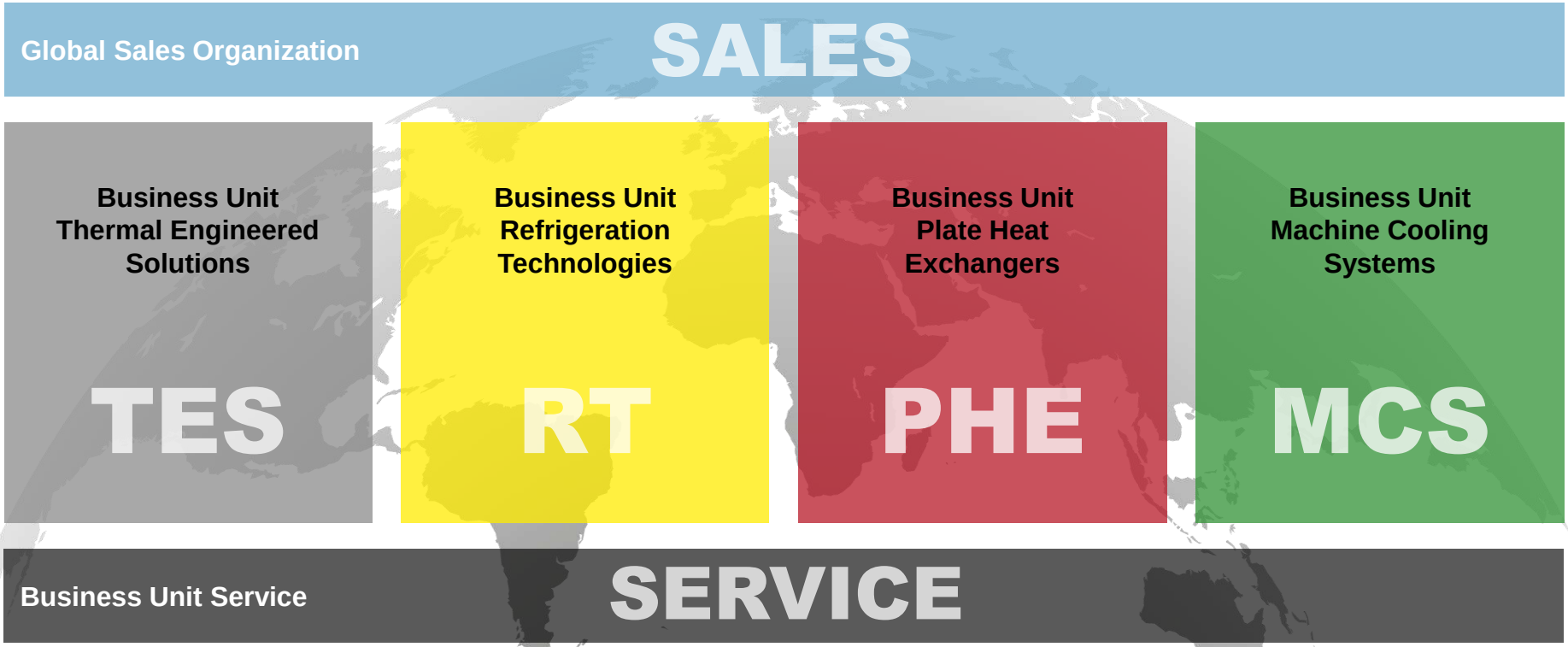
2014 GEA sells the Heat Exchangers Segment to Triton.

2010 Reorganization of GEA's 9 Divisions into technologically distinct Segments. The largest segment is the Heat Exchangers Segment.

1999 In April 1999, GEA was acquired by mg technologies AG

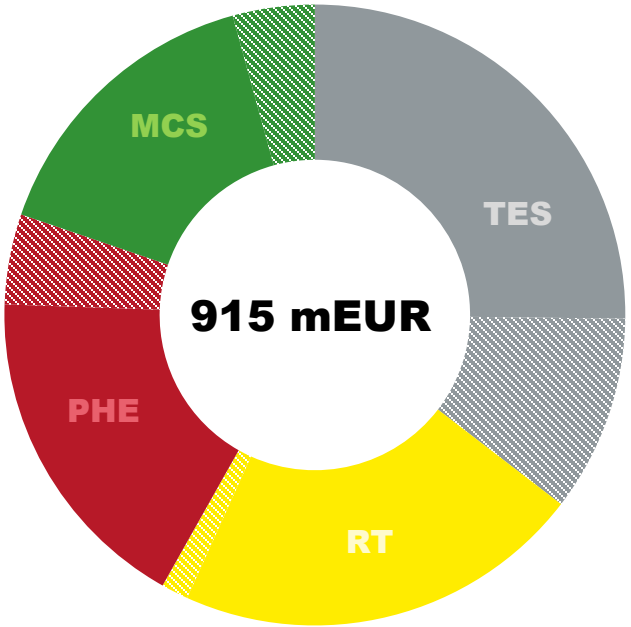
1920 Foundation of GEA in Bochum by Otto Happel sen. (Born 1882)

Key Pillars of our Organization



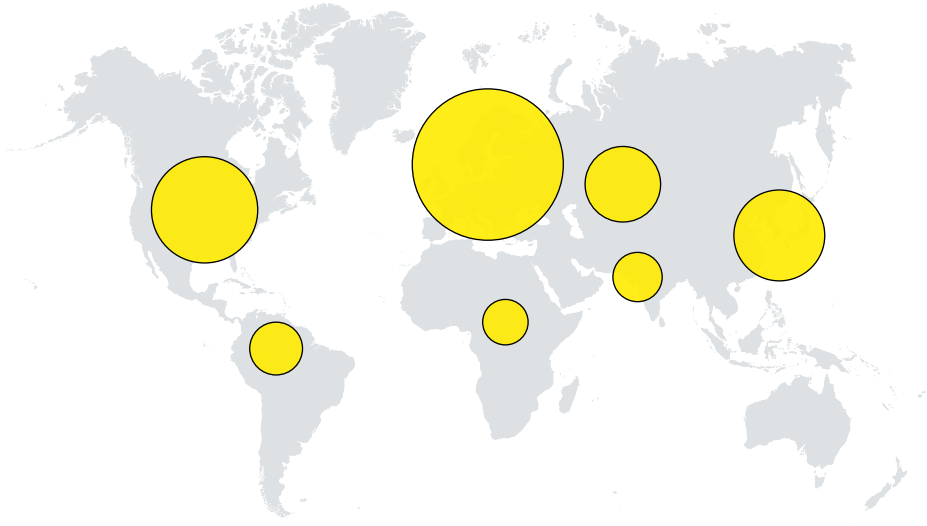
Revenue statistics

REVENUE BY BUSINESS UNIT FY19 [%]



- **Thermal Engineered Solutions (TES)** [35%]
- **Refrigeration Technologies (RT)** [23%]
- **Plate Heat Exchangers (PHE)** [22%]
- **Machine Cooling Systems (MCS)** [20%]
- **Service** (Share per BU)

REVENUE BY REGION FY19 [%]



Western Europe [44%]
Asia Pacific [17%]
Eastern Europe [9%]

North America [20%]
Latin America [4%]
Middle East [3%]

Africa [3%]

Your markets are our markets

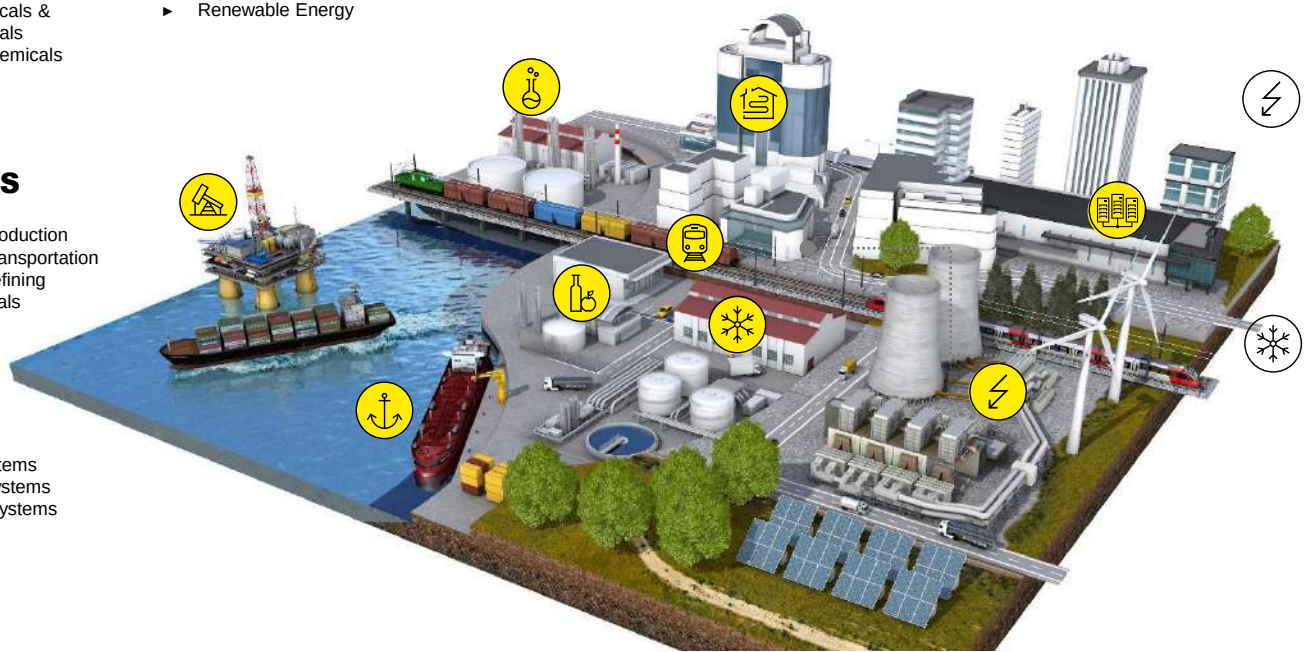
CHEMICALS
- Basic Chemicals
- Agrochemicals
- Petrochemicals
- Polymers & Plastics
- Pharmaceuticals & Fine Chemicals
- Specialty Chemicals

HVAC
- District Heating & Cooling
- Air Conditioning
- Potable Water & Swimming Pools
- Renewable Energy

FOOD & BEVERAGE
- Dairy
- Brewery
- Beverages
- Viscous foods & Edible oils

DATA CENTER
- White Space Cooling Air & Liquid
- Heat Rejection
- HVAC
- Utility Cooling

TRANSPORTATION
- Diesel Rail
- Electric Rail
- Heavy Duty Vehicles



OIL & GAS
- Drilling
- Oil & Gas Production
- Oil & Gas Transportation
- Crude Oil Refining
- Petrochemicals

POWER
- Diesel & Gas Engines
- Fossil Power Plants
- Grid
- Renewable Energies
- Steam & Gas Turbines

MARINE
- Exhaust Systems
- On-Board Systems
- Propulsion Systems

REFRIGERATION
- Fruit & Vegetable Storages
- Display Cases & Bar Counters
- Supermarkets
- General Food Processing
- Meat Processing
- Leisure & Test Facilities
- Marine Sector
- Distribution Centers
- Agricultural Greenhouses

Kelvion Heat Exchanger Portfolio

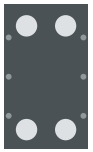


Plate Heat Exchanger Gasketed



Plate Heat Exchanger Brazed

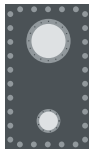
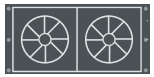
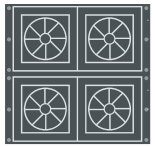


Plate Heat Exchanger Fully-Welded



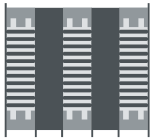
Commercial Aircooler



Customized Aircooler



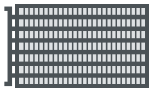
Condenser



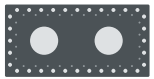
Aluminium Bloc



Radiators & Dry Coolers



Coils



Closed Circuit Cooler



Printed Circuit Heat Exchanger



Recirculation Cooler



Exhaust Gas Heat Exchanger



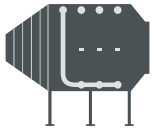
Charge Air Cooler



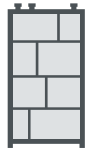
Air Cooled Condenser



Air Fin Cooler



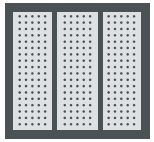
Air Dryer



Air Preheater



Economizer



AirToAir



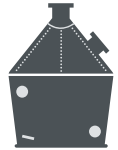
Box Cooler



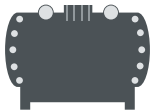
Shell & Tube Double Safety



Shell & Tube Single



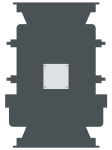
Shell & Tube Process



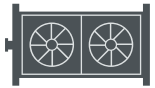
Shell & Tube Steam



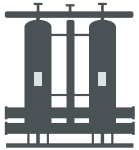
Desublimators



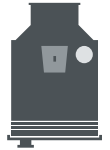
Transformer Oil Pumps



Transformer Oil Air Coolers



Transformer Oil Water Coolers



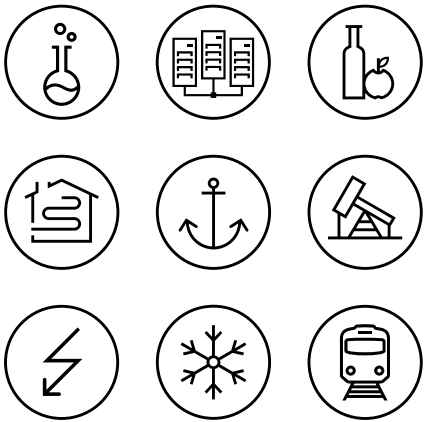
Cooling Tower

BU PLATE HEAT EXCHANGERS (PHE)

TOTAL REVENUE PHE (2019)

202 mEUR

KEY MARKETS



CORE VALUE PROPOSITION

Your global partner providing all industries with trusted Plate Heat Exchanger Technology and Service where Expertise is needed. Reliable. Sustainable. Efficient.

PRODUCT LINES



Plate Heat Exchanger Gasketed

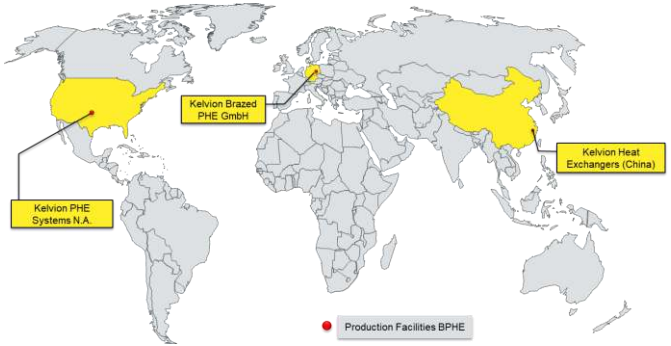


Plate Heat Exchanger Brazed



Plate Heat Exchanger Welded

BPHE PRODUCTION FACILITIES









Kelvion Location

GERMANY | WILCHWITZ

LOCATION



FOUNDED

1992

FOCUS

PRODUCTION

SALES OFFICE

SERVICE CENTER

R&D

EMPLOYEES

220 EMPLOYEES

PRODUCTION

OFFICE

PRODUCTS

BESTSELLER

GB/GK 500/550

GK.. 550T

LATEST RELEASE

MANUFACTURING FACTS

10.000.000
... plates are produced per year

17
... testing stations are installed to ensure highest quality

7,4 x 20 cm
... is the smallest Heat Exchanger produced in Wilchwitz

38 x 109 cm
... is the biggest Heat Exchanger produced in Wilchwitz

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KELVION BRAZED PHE GMBH / FACILITIES

Production area:

- 10.000 m²
- New press hall for 3.200 t press line

13 press lines + 8 vacuum - furnaces:

- 300 t / 240 t / 2 x 250 t / 400 t / **4** x 600 t
- 2 x 1.000 t / 1.200 t / 1.300 t / 3.000 t / **3.200 t**

16 test benches

Turnover 2019:

- > € 44.000.000

Employees 2019:

- > 220 permanent employees

BPHE units 2019:

- *> 300.000 BPHE units*

Number of plates 2019:

- *> 10.000.000 plates*



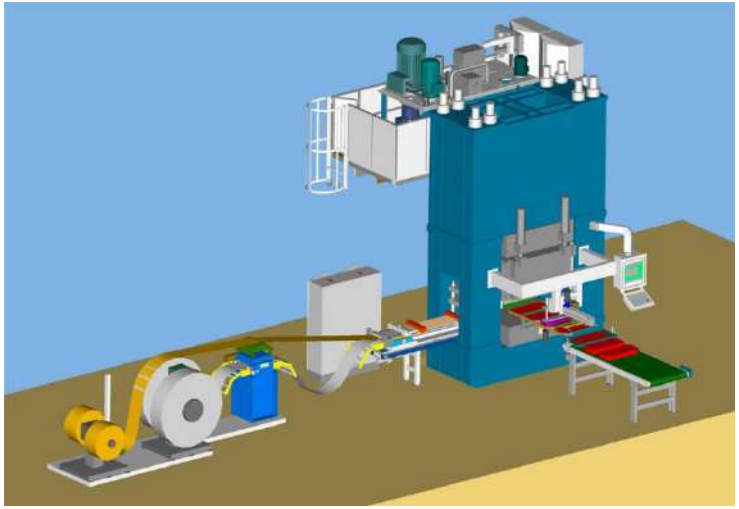








BPHE PRODUCTION – PRESS LINES











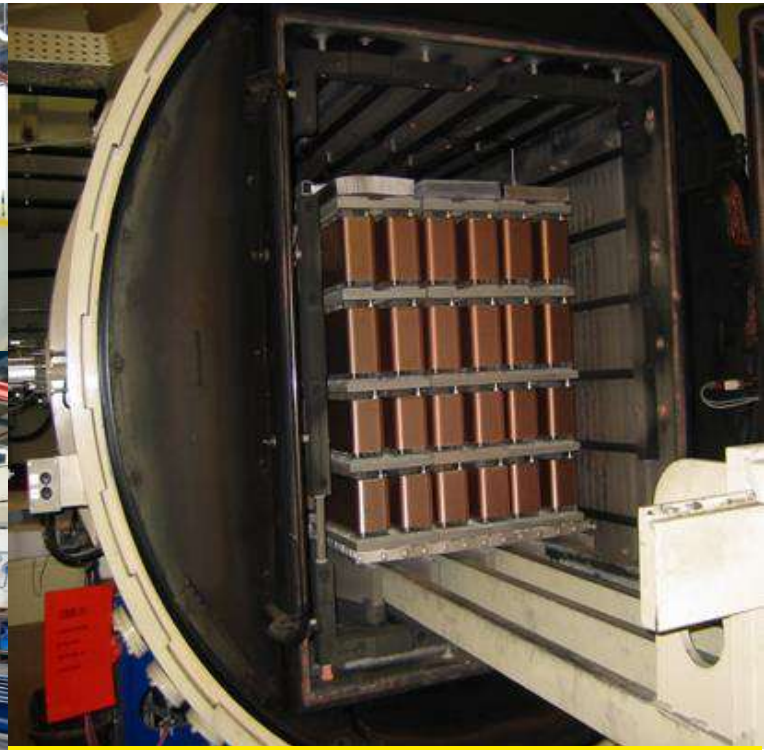
Fully automated Press lines up to 3000 t



BPHE PRODUCTION – VACUUM FURNACES







Vacuum brazing @ around 1.100°C

BPHE PRODUCTION – TEST BENCHES





Automated Welding





Computer controlled high precise testing equipment

100% Testing

TAILOR-MADE SOLUTIONS

BRAZED PLATE HEAT EXCHANGERS

The product range of our brazed series offers the widest variety and flexibility in terms of size, brazing material, different connections, flow arrangements and accessories.

- Tailor-made economical design for the most varied applications
- Long lifetime
- Highest efficiency
- Highest quality

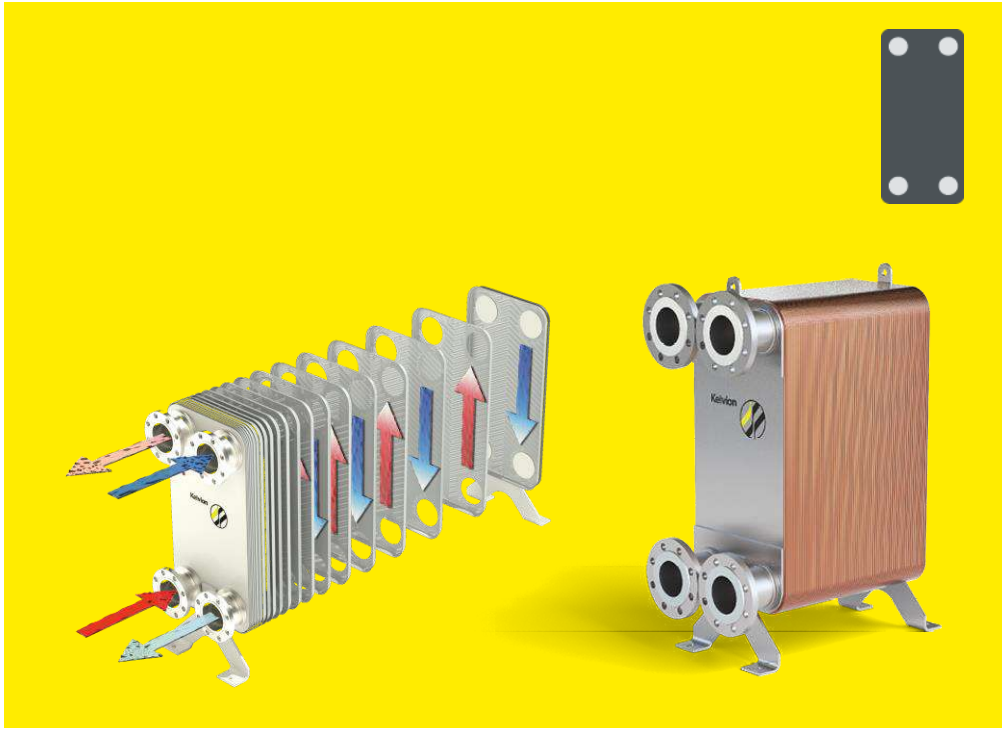
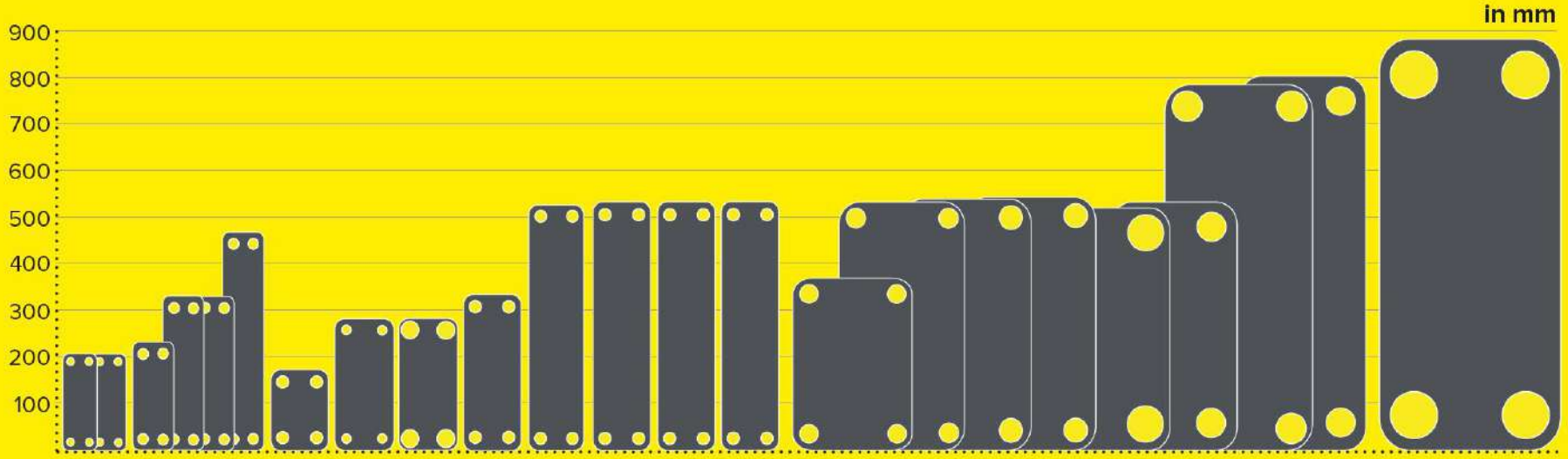


PLATE SIZES



GB... GK...	100 108	200 220	228 240	300	418	420	400	525	500	505	550	600	700	770	757	760	800	910	900	1000
Width	74 74	90 90	90 90	124	127	127	124	118	124	124	124	250	271	278	281	257	271	318	271	386
Height	204 204	231 328	328 464	173	282	282	335	525	532	532	532	385	532	539	543	519	532	783	802	875

GB NOMENCLATURE

Type		solder	plate							* - AE			* - AE		* - AE			* - AE	* - AE		* - AE
GBE	16bar	Copper	AISI316L		100M	200H	220H	240H		400H			500H								
GBS	31bar	Copper	AISI316L		100M	200H	220H	240H	300H	400H*	418L/M	420L	500H*	525L/M/H	700L/M*	757L/M/H	760L	800H*	900H*	910M	1000L/M/H*
GBS-XCR	31bar	Copper	SMO254				220H	240H		400H*											
GBH	45bar	Copper	AISI316L		100M	200H	220H	240H	300H	400H*			500H*		700L/M*			800H*	900H*		1000M/H*
GWH	55bar	Copper	AISI316L				220H	240H					500H*		700L/M*				900H*		
GML	75bar	Copper	AISI316L							400H			500H								
GBH-HP	140bar	Copper	AISI316L							400H*			500H*		700L/M*						1000H*
GKE	25bar	Copper	AISI316L		108H		228H						550M/H/T								
GKS	40bar	Copper	AISI316L		108H		228H						550M/H*/T*		770M/H*/T*						
GKH	50bar	Copper	AISI316L		108H		228H						550M/H*/T*		770M/H*/T*						
GKS-TD		Copper	AISI316L	True DUO											770H*						
GKH-TD		Copper	AISI316L	True DUO											770H*						
GBS-DW	16bar	Copper	AISI316L	Double wall						400H			500H								
GBH-DW	45bar	Copper	AISI316L	Double wall						400H			500H								
GBH-HP-DW	140bar	Copper	AISI316L	Double wall						400H			500H								
GNS	16bar	Nickel	AISI316L		100M	200H	220H	240H	300H	400H*			500H*		700L/M*			800H*			
GNS-XCR	16bar	Nickel	SMO254				220H	240H		400H*			500H*		700L/M*						
GNS-HP	27bar	Nickel	AISI316L										500H*		700L/M*						
GNS-XCR-HP	27bar	Nickel	SMO254										500H*		700L/M*						
GVH	25bar	VacInox	AISI316L		100M	200H	220H	240H	300H	400H*			500H*		700L/M*			800H*			1000H*
GVH	25bar	VacInox	AISI316L		108H		228H						550M/H*		770M/H*						
GVH-HP	46bar	VacInox	AISI316L										500H*		700L/M*						1000L
WP	30bar	Copper	AISI316L		1	2	22	24	3	4*	418L/M	420	5*	525L/M/H	7L/M*	757L/M/H	760	8*	9*	910	10*
WH	45bar	Copper	AISI316L				22	24					5*		7L/M*				9*		
TD	30bar	Copper	AISI316L	True DUO											7*				9*		
NP	16bar	Nickel	AISI316L		1	2	22	24	3	4*			5*		7L/M*			8*			
WP-XCR	30bar	Copper	SMO254				22	24		4*			5*		7L/M*						
NP-XCR	16bar	Nickel	SMO254				22	24		4*			5*		7L/M*						
GGE	11bar	EPDM	AISI316L	Gasket				240					500								
GGS	16bar	EPDM	AISI316L	Gasket				240					500								
GGE-DG	10bar	EPDM	AISI316L	Gasket				240					500								
GGS-DG	16bar	EPDM	AISI316L	Gasket				240					500								

PLATE TYPES

CHEVRON: GB PLATE



- Performance varying from low to medium to high theta
- Liquid-to-liquid and liquid-to-refrigerant applications
- High heat transfer
- Low to higher pressure drop
- Highest pressure rating
- 2 mm pressing depth

CONBRAZE: GK PLATE



- Increased performance
- Lower pressure drops
- Reduced pressing depth
- Appreciably less volume (approx. 20-25% less)
- More effective media circulation

3 MEDIA: TD PLATE



- Like chevron or ConBraze corrugation but three-circuits
- Performance of high theta
- Liquid-to-refrigerant applications
- Highest heat transfer
- Medium pressure drop
- Highest pressure rating
- 2 mm pressing depth

WIDE GAP: GB PLATE



- Wide gap chevron type
- Performance of low theta
- Liquid-to-gas and refrigerant to-gas applications
- Medium heat transfer
- Lowest pressure drop
- Low pressure rating
- 2 mm pressing depth

DOUBLE WALL: DW PLATE



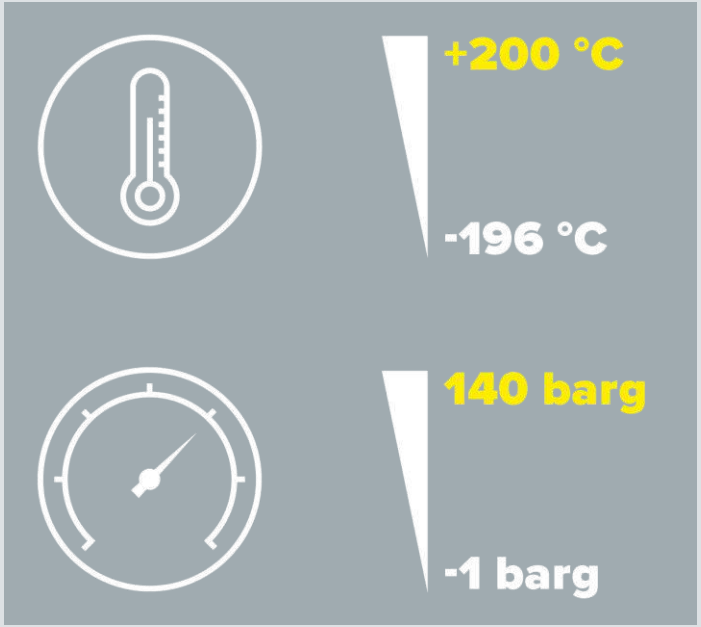
- Like chevron type but double wall
- Performance of medium theta
- Liquid-to-liquid and liquid-to-refrigerant applications
- Medium heat transfer
- Medium pressure drop
- High pressure rating
- 2 mm pressing depth

MATERIALS

PLATE MATERIALS	
EN	**AISI**
1.4404	AISI 316L
1.4547 (SMO 254)	AISI S31254

BRAZE MATERIALS	
Cu	Copper foil
Ni	Nickel foil
VacInox	VacInox

OPERATING CONDITIONS

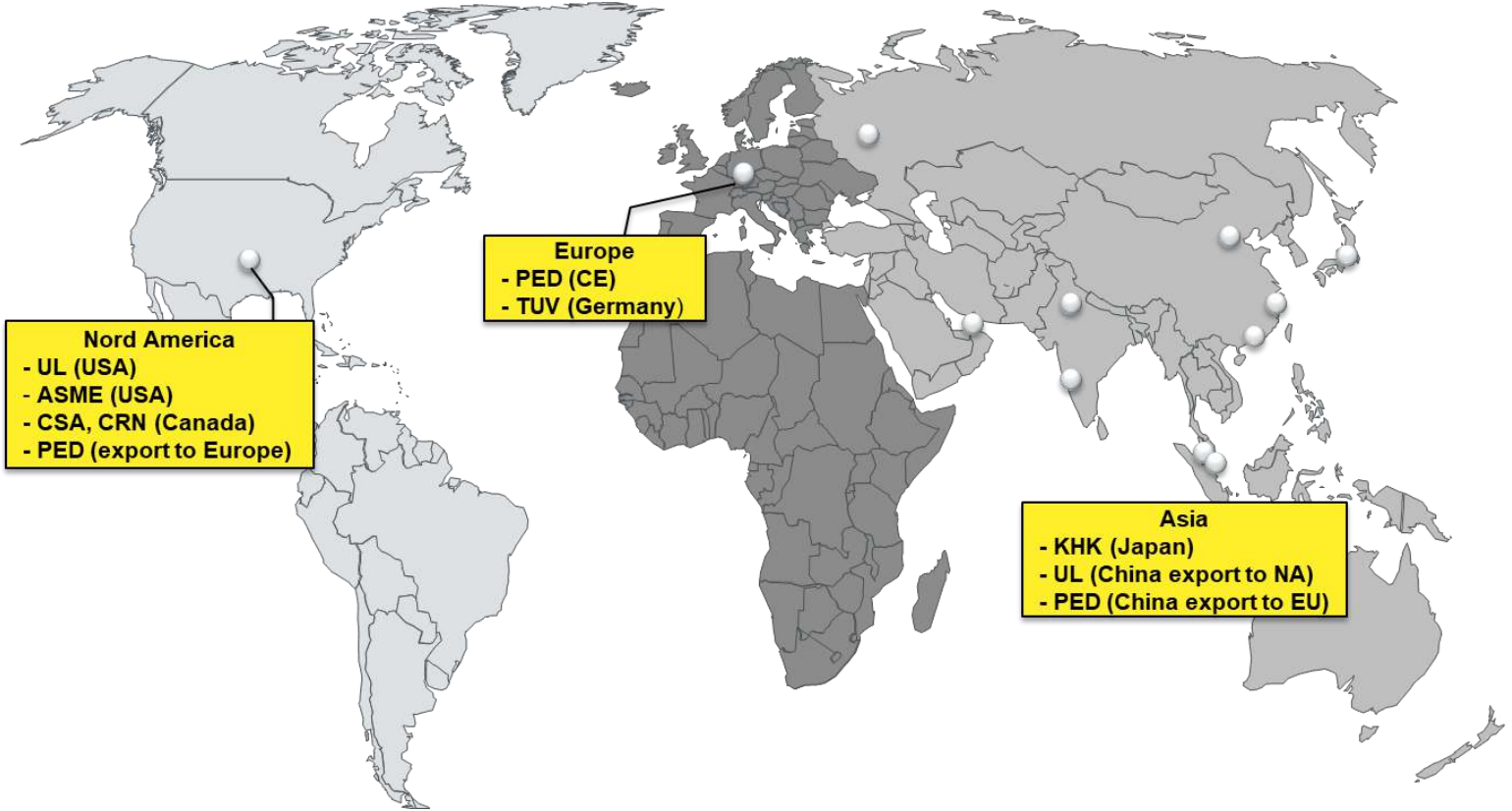




VacInox

- soldering agent for highest requirements of potable water heating applications and industrial processes
- solid and temperature resistant connection of stainless steel plates
- compact design, corrosion resistance
- high pressure resistance at high temperatures up to 340 °C
- free of non-ferrous metal

CERTIFICATIONS AND STANDARDS



CERTIFICATIONS AND STANDARDS

AVAILABLE CERTIFICATIONS

- 2014/68/EU European Pressure Equipment Directive (PED)
- ASME Boiler & Pressure Vessel Code Section VIII Division 1, ASME U, UM
- DIN EN 13445-3
- UL 207 (USA Canada)
- CSA 22.2 No. 140.3 (Canada, USA)
- CRN (Canada)
- KHK (Japan)
- KIWA (the Netherlands); SVGW (Switzerland); WRAS (UK)
- EAC (Eurasian Conformity Mark)
- Lloyd's register of Shipping (LR)

  DNV GL

  Bureau Veritas (BV)

  American Bureau of Shipping (ABS)

  Registro Italiano Navale (RINA)

  Nippon Kaiji Kyokai (ClassNK)

  China Classification Society (CCS)

  Korean Register of Shipping (KR)

  Russian Maritime Register of Shipping (RS Class)

… and many more, just challenge us!



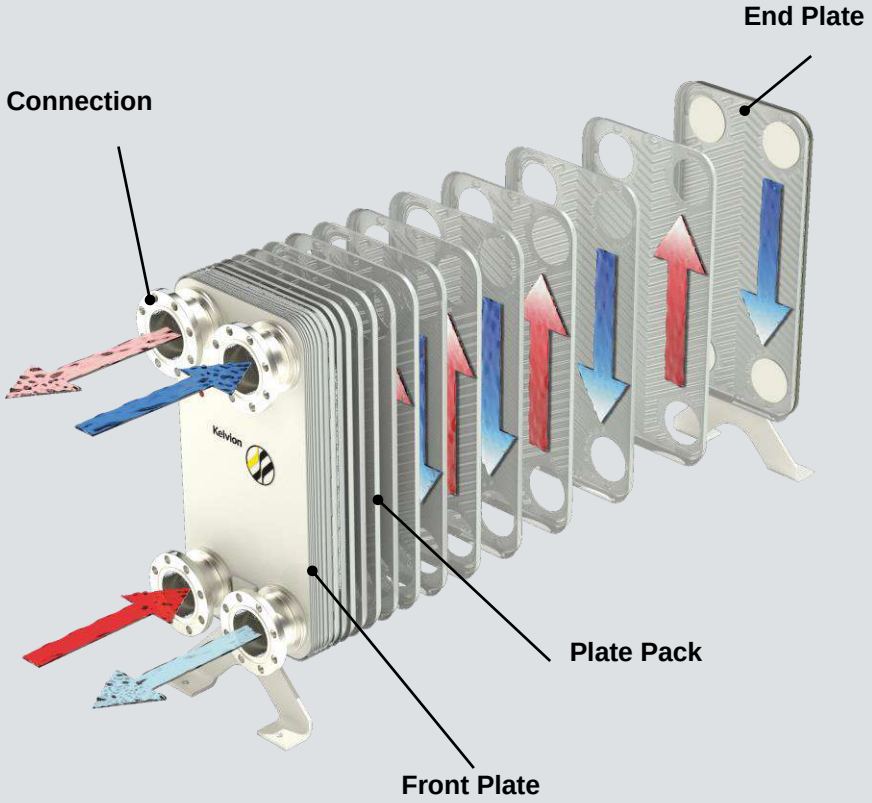
Highest quality requirements in terms of dimensional accuracy and material quality

Use of international standards:

- DIN EN ISO 9001:2015 (Quality)
- VDA 6.1 (Automotive, Quality in serial production)
- DIN EN ISO 14001:2015 (Environment)
- DIN EN ISO 50001:2015 (Energy Efficiency)

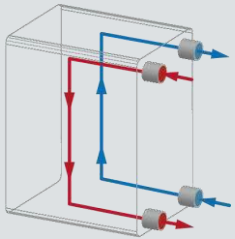
QUALITY AND FLEXIBILITY

- industry leading research over many years to develop brazed plate heat exchangers
- dimensional accuracy and material quality lead to high levels of customer satisfaction
- powerful models in a flexible range of size with short lead times
- corrugated stainless steel plates are permanently bonded in a special vacuum process
- highest operating pressures and temperatures feasible as the units are sealed hermetically without gaskets



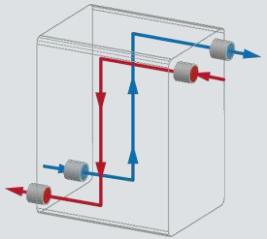
FLOW ARRANGEMENTS

Various connection types, as well as customer-specific connections for a wide range of applications.



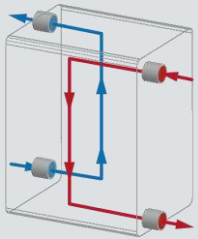
STANDARD DESIGN
All standard applications

Flow Control: One-way



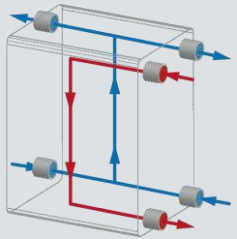
Z-CIRCUIT DESIGN
Rear side connections for easier installation

Flow Control: One-way



X-CIRCUIT DESIGN
Reciprocal connections
Rear side connections for easier installation

Flow Control: One-way

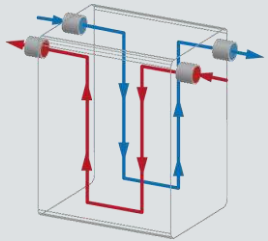


RECIPROCAL CONNECTION WITH ADDITIONAL SENSOR CONNECTION
Preferred variant for heat pumps with sensor connections.
Flow Control: One-way

Other positions of connections (frontside/backside) on request. Number of additional connection on request.

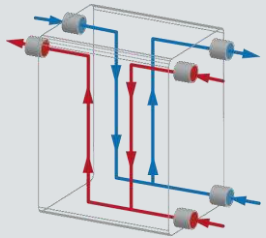
FLOW ARRANGEMENTS

Various connection types, as well as customer-specific connections for a wide range of applications.



U-DESIGN
Multi-pass application with higher thermal length.

Flow Control: Two-way



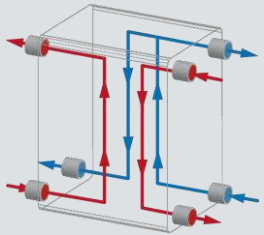
DS- DESIGN
Multi-pass application with higher thermal length.

Flow Control: Two-way

Other positions of connections (frontside/backside) on request. Number of additional connection on request.

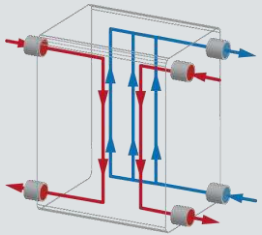
FLOW ARRANGEMENTS

Various connection types, as well as customer-specific connections for a wide range of applications.



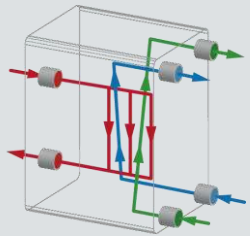
TIO-DESIGN
Combination plate heat exchanger. Variant for combined heating and service water heating in a single unit.

3 media heat exchanger



DUO-DESIGN
Two circuit plate heat exchanger. Variant for connecting two refrigerant circuit in back-to-back arrangement.

3 media heat exchanger



TD-DESIGN - TRUE-DUAL
Variant for connecting two refrigerating circuits in two-circuits channel arrangement to improve partial load behavior

3 media heat exchanger

Other positions of connections (frontside/backside) on request. Number of additional connection on request.

PRODUCT LINE OVERVIEW

GBS SERIES

A brazed all-rounder that can be used for applications up to 31 bar and +200°C.



Your benefits:

- Highest flexibility
- Compact design
- Optimal corrugation design
- Wide range of applications
- Solid construction
- Precision-made heat exchanger

INDUSTRIES

HVAC · Power · Heavy Industry · Refrigeration

GBH SERIES

The GBH Series is designed for pressures up to 45 bar and is most suitable for applications with the environmentally-friendly R410A refrigerant.



Your benefits:

- Highest flexibility
- Compact design
- Optimal corrugation design
- Wide range of applications
- Solid construction
- Precision-made heat exchanger

INDUSTRIES

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GBE/GKE SERIES

Our “E” stands for “Eta”: greatest efficiency at lowest costs. These efficient plate heat exchangers give you total control: size, weight, output, quality and economy.



Your benefits:

- Modular design
- Compact and cost-effective
- ConBraze design availability
- Low investment costs
- High efficiency

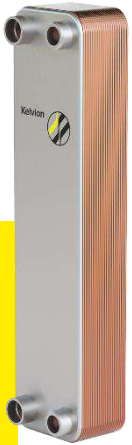
INDUSTRIES

HVAC

PRODUCT LINE OVERVIEW

GWH SERIES

The GWH Series – the solution for applications with high mechanical and thermal loads. Robust, compact heat exchanger for industrial applications with an operating pressure of up to 55 bar.



Your benefits:

- High permanent pressure resistance
- Cost-effective
- Robust design
- Solid construction
- Compact, space-saving design
- Low weight

INDUSTRIES

HVAC | Power | Heavy Industry | Refrigeration

GML SERIES

This series is suitable for refrigeration and air conditioning applications, in which pressures of up to 75 bar must be maintained.



Your benefits:

- Compact and space-saving
- CO_2 stands out as a carbon-neutral refrigerant
- Environment friendly
- Powerful plate design
- Safe in high pressure applications

INDUSTRIES

HVAC | Power | Heavy Industry | Refrigeration

PRODUCT LINE OVERVIEW

GBH-HP SERIES

A brazed plate heat exchanger with a pressure frame for transcritical and subcritical CO_2 applications and industrial fields of application with system pressures up to 140 bar.



Your benefits:

- High permanent pressure resistance
- Long lifetime
- Low investment costs
- Solid frame construction
- CO_2 in a transcritical area

INDUSTRIES

HVAC | Power | Heavy Industry | Refrigeration

GVH-HP SERIES

Free of non-ferrous metals brazed plate heat exchanger for industrial applications with an operating pressure of up to 46 bar combining the advantages of brazed and gasket heat exchangers.



Your benefits:

- High thermal efficiency
- High operating pressure
- Compact design and minimal space requirements
- Free of non-ferrous metals

INDUSTRIES

HVAC | Power | Heavy Industry | Refrigeration

PRODUCT LINE OVERVIEW

GKS SERIES

The GKS Series – highest transfer performance by means of a completely new plate geometry using the improved heat transfer of concave/convex vortex cells.



Your benefits:

- Increased efficiency – greater output
- Appreciably less refrigerant
- Plate corrugations adapted to the application
- Higher compressive strength
- Distinctive reduced filling volume
- Reduced operating costs

INDUSTRIES

HVAC | Power | Heavy Industry | Refrigeration

GKH SERIES

Operating pressures up to 50 bar and new plate geometry create an apparatus that satisfies the highest requirements.



Your benefits:

- Greatest pressure resistance
- Distinctive reduced filling volume
- Reduced operating costs
- Increased efficiency – greater output
- Compressive strength

INDUSTRIES

HVAC | Power | Heavy Industry | Refrigeration

PRODUCT LINE OVERVIEW

GVH SERIES

Our new, unique and revolutionary technology for brazing stainless steel plates enables both, a compact design and the greatest corrosion resistance. VacInox stainless steel plate heat exchangers are the answer for the most stringent requirements in potable water supply and in critical industrial applications up to 35 bar.

Your benefits:

- Free of non-ferrous metals
- High corrosion resistance
- High pressure resistance
- Compact design
- High temperature resistance
- Low investment costs



INDUSTRIES

HVAC | Power | Heavy Industry | Refrigeration

GNS SERIES

Copper-free brazed plate heat exchangers offer all advantages of a brazed plate heat exchanger, yet thanks to the special solder they are significantly more resistant to corrosive media.

Your benefits:

- Compact and cost-effective
- High corrosion resistance
- Wide range of applications



INDUSTRIES

HVAC | Power | Heavy Industry | Refrigeration

PRODUCT LINE OVERVIEW

DW SERIES

DW stands for “Double Wall” and serves to minimize the risk of mixing of the media of primary and secondary side due to its double-walled, hermetically-sealed heat exchanger plates at pressures up to 45 bar.



Your benefits:

- New plate design
- More pressure resistant and efficient
- Double-walled safety construction
- Reliable media separation
- Powerful
- Space-saving

INDUSTRIES

HVAC

TD SERIES

True-dual-circuit evaporator represents constant high efficiency. A brazed heat exchanger combining two refrigerating circuits with a water or solar circuit.



Your benefits:

- Diagonal flow principle for optimal transfer surface
- Highest degree of flexibility & wide range of applications
- Compact & robust design
- Optimum is achieved even when operating at partial load
- Both refrige-rating circuits in 100% contact with the water/ solar circuit

INDUSTRIES

HVAC

Heavy Industry

Refrigeration

XCR SERIES

The XCR Series uses stainless steel plates of 1.4547 (SMO 254) and is resistant to chloride content, as is usually found in pool technology.



Your benefits:

- Long service life due to high-quality stainless steel
- High corrosion resistance in the face of high chloride content

INDUSTRIES

HVAC

Refrigeration

PRODUCT LINE OVERVIEW

GG SERIES

Plate Heat Exchangers for healthy potable water.



Your benefits:

- Free of no-ferrous metal
- Preferred for potable water applications
- Corrosion resistant
- Gasket FDA-listed
- Compact design
- Low investment costs

INDUSTRIES

HVAC

AIRDRYER SERIES

100% dedicated design for compressed air application in 2 concepts:

- APS series = Air-Plate + Separator “3 in 1” Design
- AP series = Air-Plate “2 in 1” Design



Your benefits:

- 100% dedicated design for compressed air application
- Flow capacities from 15 Nm³/h through 2.750 Nm³/h
- APS series with integrated water separator



INDUSTRIES

HVAC

Refrigeration

ACCESSORIES

- Compac™ flange system DN65…DN100,
- including counter flanges
- DIN flanges DN25 … DN100
- Victaulic connection
- PU-Insulation, NBR-Insulations
- Bottom consoles, Transportation brackets
- Welded on stud bolts
- Screw connectors (thread/weld/solder)
- Measurement sensor pocket G1/2 female thread









FACTORY INSULATION

- Available for 200/228/220/240/400/418/500/525/550/700/757/770/800/910
- Max. operating temperature: +170°C, heat conductivity: 0,035 W/mK
- thickness: ca. 25-30mm, fire resistance: acc. DIN4102, part 1, class B2



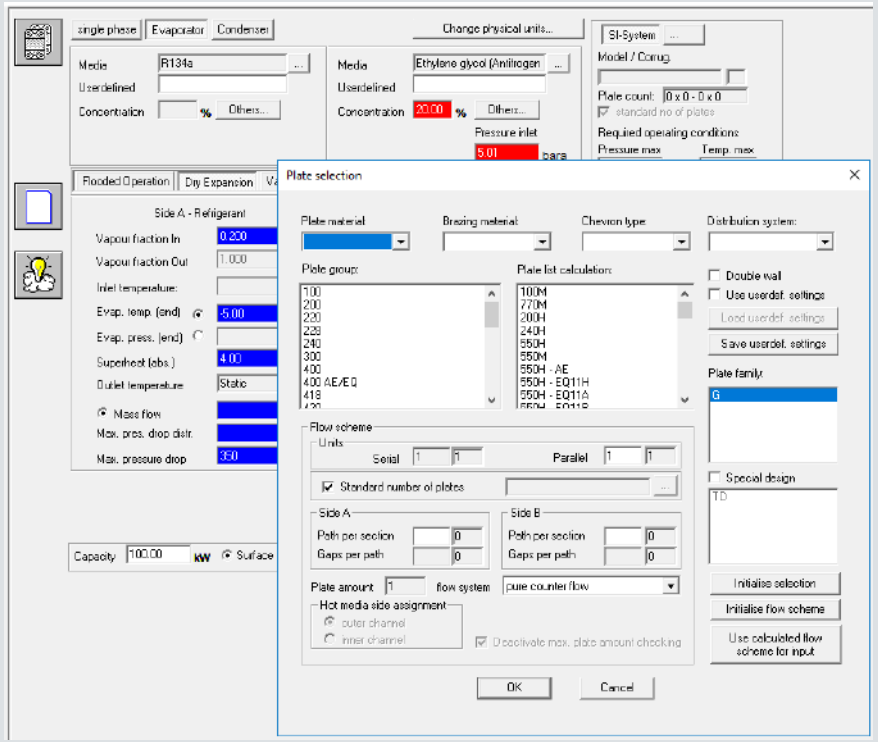
CUSTOMISED CONNECTIONS



BPHE CALCULATION SOFTWARE MYKELVION HX

Calkulation of:

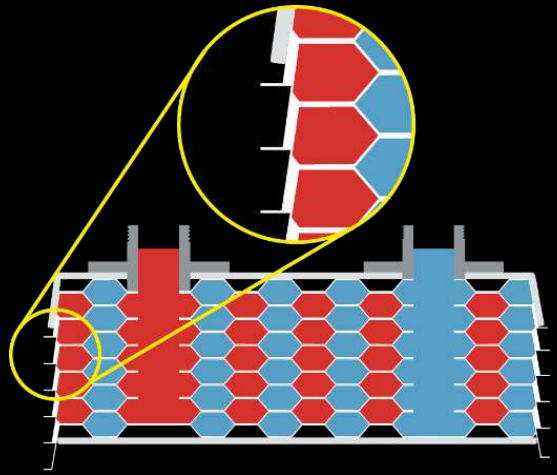
- DX –evaporators
- Thermo-Syphon Evaporator
- Evaporators for flooded operation
- Condensers
- Partial Condenser
- Desuperheater
- Subcooler
- ~~Oil Cooler~~
- District Heating Application
- Tap Water Production
- Etc.



TECHNOLOGIES & INNOVATIONS

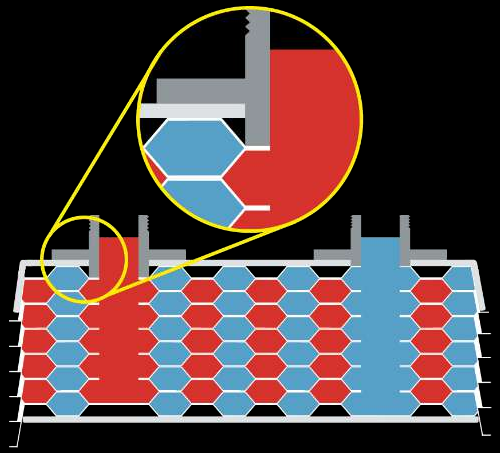
ROLLED EDGE LOCK SYSTEM

Guarantees a consistent braze joint at the plate overlap and makes a stronger and more leak-proof heat exchanger.



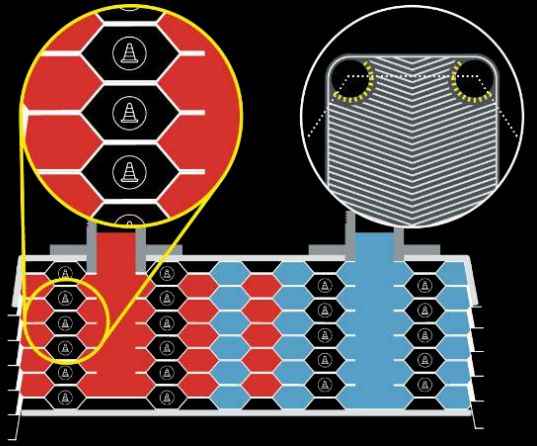
DOUBLE SEALING

Strong connections: Double brazing on the front plate and on the heat exchanger plate for a stable and tight connection in the nozzle.



SAFETY CHAMBER

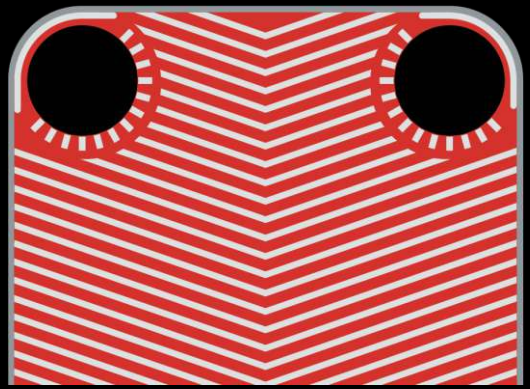
Absorbs the stress from thermal shock and pressure in the port area and prevents internal leaks and premature failure



TECHNOLOGIES & INNOVATIONS

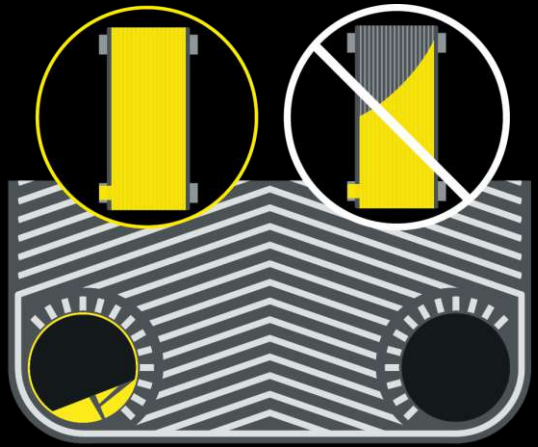
FULL FLOW

Ensures continuous flow around the port area to prevent freezing.



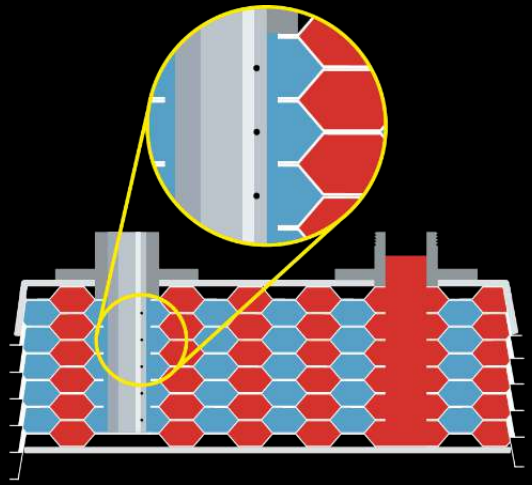
DELTA INJECTION

Refrigerant distribution system particularly developed for evaporator applications. Provides precise distribution of refrigerant to the channels, guaranteeing the highest performance.

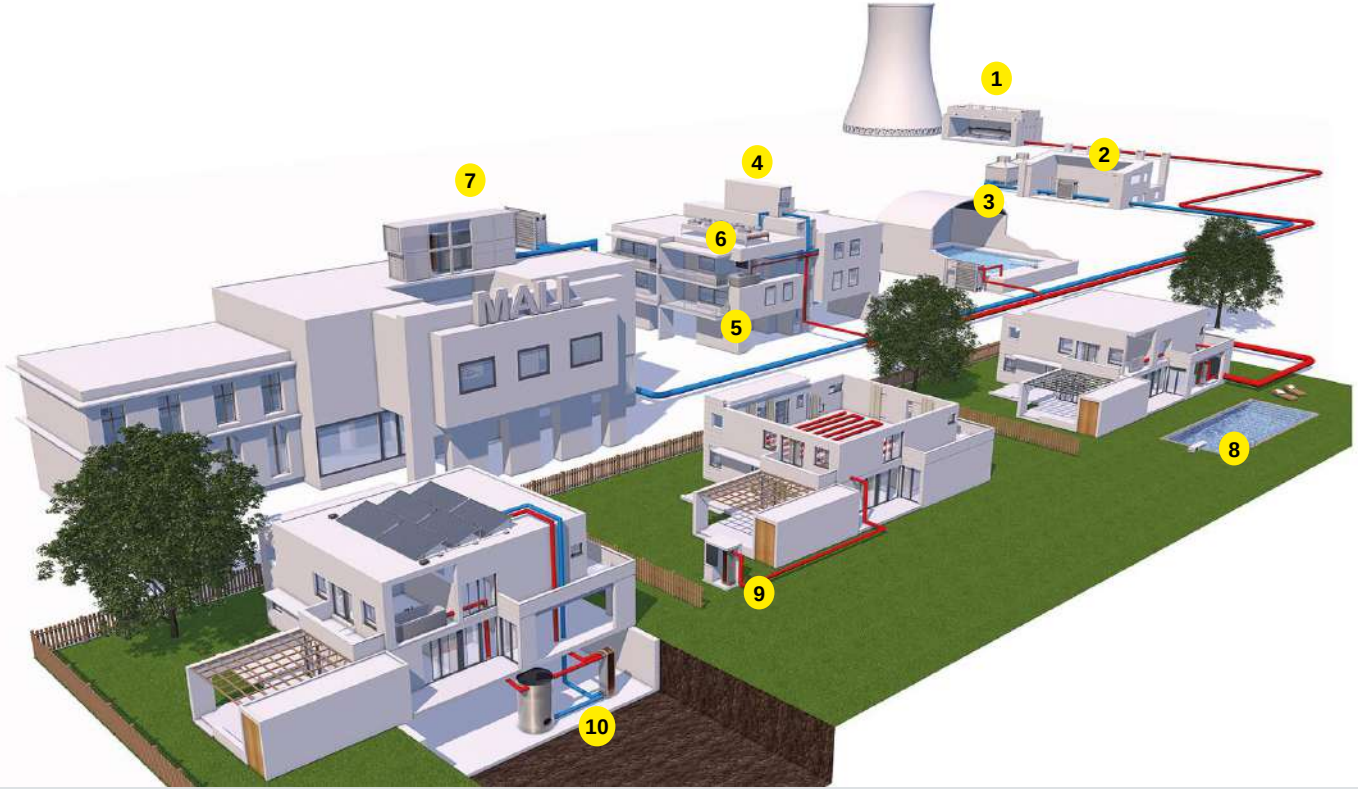


EQPIPE TECHNOLOGY

Ensures highest heat transfer performance thanks to even refrigerant distribution especially for critical refrigerants, tailored to customer-specific applications.



HVAC IN URBAN ENVIROMENTS



1. **Power plant** with district heating extraction via Shell and Tube
2. **District Cooling Plant** with Gasket Plate Heat Exchangers and Cooling Towers
3. **Swimming Pool Heating** via Gasket Plate Heat Exchangers
4. **Centralized Air Conditioning System** – use of Coils and Dry Coolers
5. **Tab Water Heating System** with Brazed Plate Heat Exchangers
6. **Air Conditioning Units** for individual room cooling with Coils
7. **District Cooling Water Supply** with Gasket Plate Heat Exchangers / **Central Air Condition** with Coils
8. **District Heating Substation** with Brazed Plate Heat Exchangers
9. **Heat Pump** with Brazed Plate Heat Exchangers
10. **Solar Thermal System for Tab Water Heating** with Brazed Plate Heat Exchangers

MAIN APPLICATION EXAMPLES



HEAT PUMPS

The use of heat pumps means pleasant temperatures all year round.

- ensure economical water heating
- flexible to use: connection to various heating systems
- lower operational costs
- less maintenance
- durability



DOMESTIC HOT WATER

Domestic hot water Plate Heat Exchangers can be supplied as a Brazed Plate unit.

- heat transfer from primary circuit to secondary circuit very efficiently
- compact and maintenance-free
- superior thermal performance and maximum reliability
- strong, robust and powerful units: S/S plate & Cu / Ni / VacInox brazing



REFRIGERATION

BPHE's offer you one of the most efficient ways to transfer heat from one medium to another.

- designed for duty optimization
- modular concept with totally customizable parts allows to find the right solution for any refrigeration system
- a cost-effective solution that saves space, refrigerant and energy



DATA CENTER'S

…house all of your company's vital information and run your most critical processes.
BPHE benefits:

- maximum of power
- space-saving
- reliability and cost effectiveness
- economic efficiency

APPLICATION - HVAC

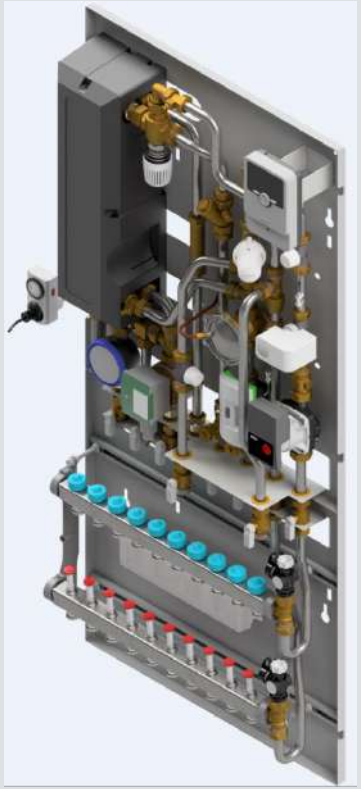


District Heating Station





APPLICATION – HOT WATER



Total HVAC market for brazed PHE alone is about 460 Mio.€

- Hot water substations are getting very popular
- PHE becoming more and more state of the art in this applications

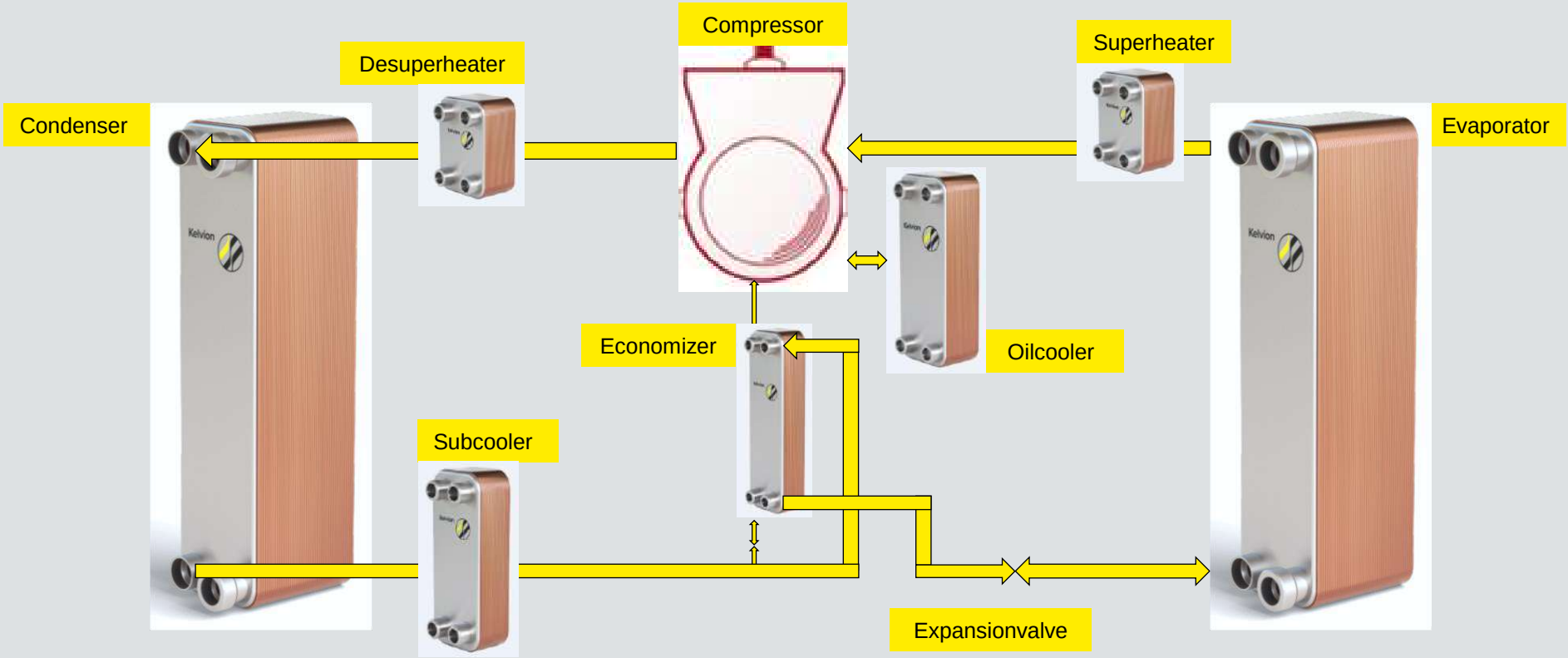






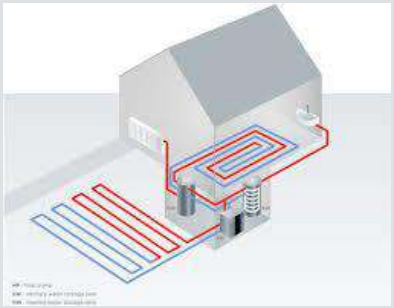
fresh water system

APPLICATION - REFRIGERATION



APPLICATION – HEAT PUMPS

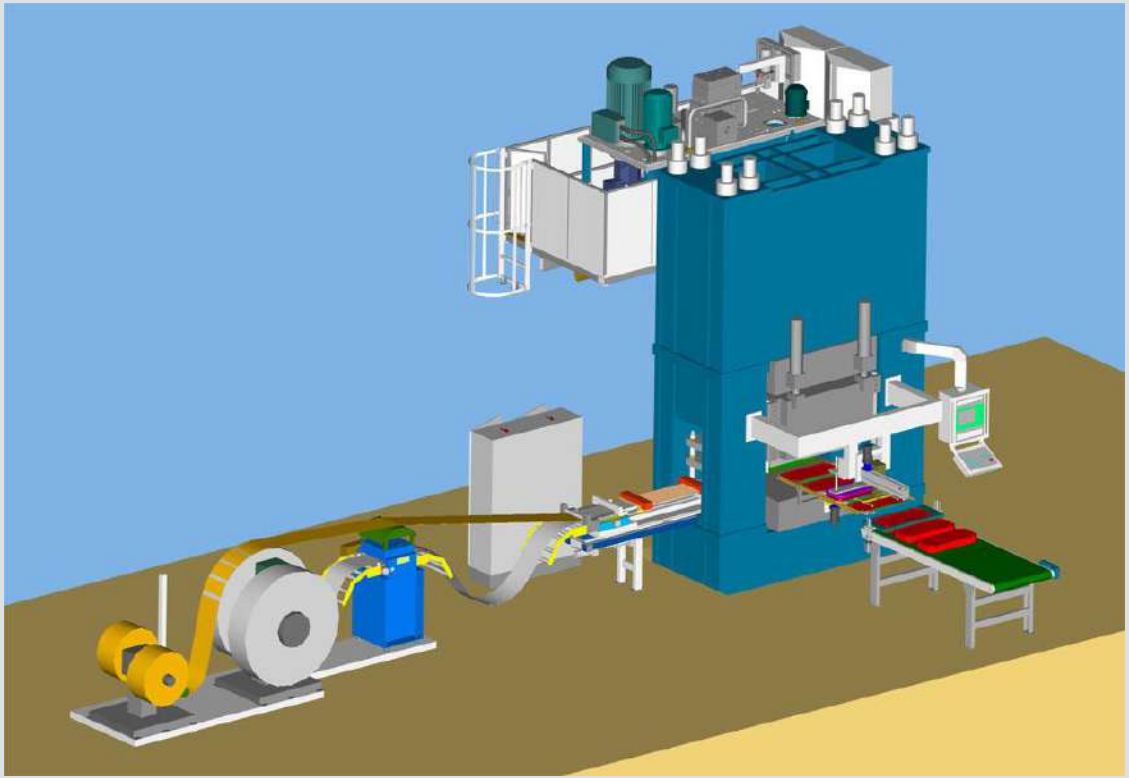
The use of heat pumps means pleasant temperatures all year around. They ensure economical water heating. The heat pump can be connected to various heating systems such as underfloor heating, air conditioning systems or radiator heating. Heat transfer plays a role in many applications in heating, air conditioning and ventilation technology. Inexpensive and efficient Kelvion plate heat exchangers are often used here.

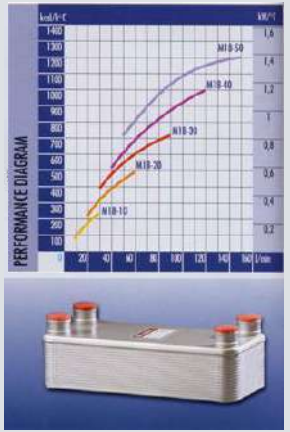






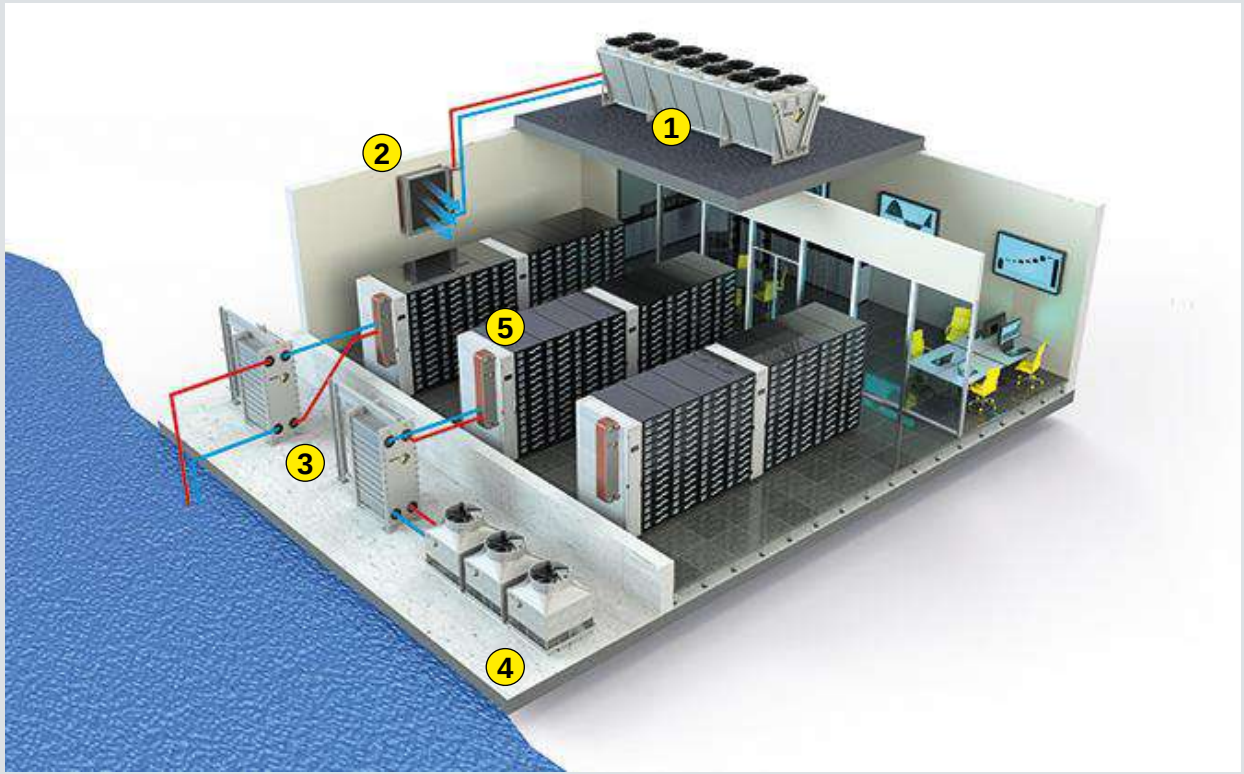
APPLICATION - HYDRAULICS







APPLICATION - DATACENTER



1. Radiators & Dry Coolers
2. Coils
3. Gasket Plate Heat Exchanger
4. Cooling Tower
5. Brazed Plate Heat Exchanger

APPLICATION - MARINE



- REFRIGERATION / CLIMATISATION
- EVAPORATOR
- ECONOMIZER / SUBCOOLER
- HYDRAULICS

SERVICE FOR BRAZED PLATE HEAT EXCHANGERS



- Equipment upgrades
- Redesign
- Replacement and retrofit

UPGRADE & REPLACEMENTS

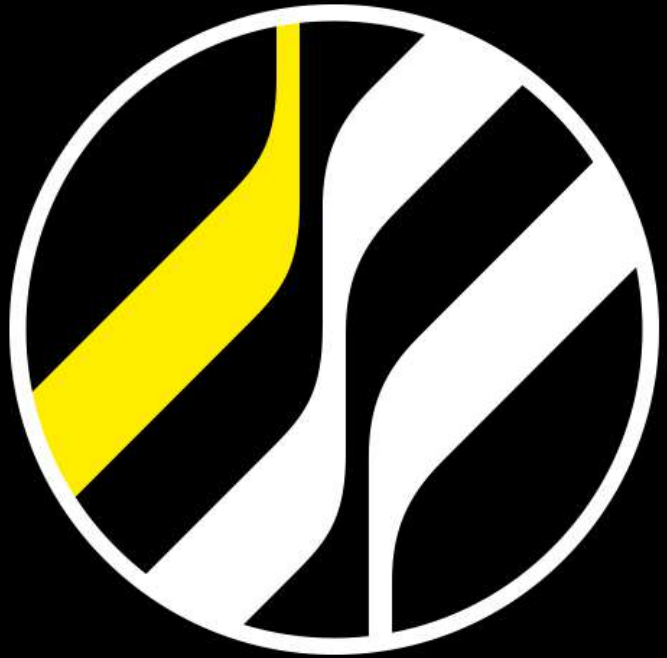
A quick, accurate and well-timed replacement of single components within your plant or factory is an important factor to keep your system running smoothly and to prevent downtime.
We offer an exclusive stock service where critical spare parts can be reserved to guarantee flexibility and quickest delivery.

Furthermore where parts or components have become obsolete due to age, we will suggest a suitable upgrade. In these cases, we can often also suggest new, state-of-the art technology which additionally enhances the performance and reliability of your process.

Kelvion

CONTACT

www.kelvion.com



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Kelvion

OUR VISION

HEAT X-CHANGING THE WORLD WITH SUSTAINABLE ENGINEERED SOLUTIONS

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