

ConBrazed | Brazed Plate Heat Exchangers

NEW BENCHMARK IN HEAT TRANSFER



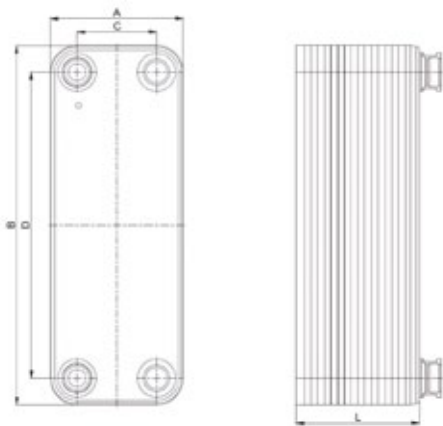
DESIGN & FUNCTION

With the ConBrazed-Series highest efficiency, effective use of materials and absolute functionality are optimally combined in the form of brazed plate heat exchangers. With these features the ConBrazed-Series lives up to the expectations of the ever-increasing demand for environmentally friendly, energy-efficient cooling and heating systems, because both in the production and in the operation of these units resources are systematically saved. In addition, efficiency and durability have top spot.

New shaped flow cells generate higher turbulence in the channel and improve heat transfer, thereby increasing efficiency. Thus, the units are ideal for requirements of minimum space and maximum capacity.

ADVANTAGES

- ▶ **INCREASED EFFICIENCY – INCREASED PERFORMANCE**
- ▶ **HIGHER COMPRESSIVE STRENGTH**
- ▶ **DISTINCTIVE REDUCED FILLING VOLUME**
- ▶ **REDUCED OPERATING COSTS**



ALWAYS A SUITABLE SOLUTION AT HAND

The brazed plate heat exchangers from Kelvion offer tailor-made solutions for the widest range of application. We configure the most economically favorable model for you from the wide range of available sizes and the numerous optional features. We adapt this with individually positioned connections to meet your specific requirements.

APPLICATION EXAMPLES:

- ▶ Heat pumps for heating and potable water heating
- ▶ Central domestic water heating
- ▶ Home stations
- ▶ District heating stations

Type	Pressure bar	Dimensions				L-Dimension* [mm]	Weight* [kg]	Volume (Litre/Channel)	Max. number of plates
		A [mm]	B [mm]	C [mm]	D [mm]				
GK... 108H	45	74	204	40	170	8.20+1.00xN	0.55+0.035xN	0.010	50
GK... 228H	45	90	328	43	279	11.20+1.00xN	1.15+0.065xN	0.019	50
GK... 550M	50	124	532	73	478	11.70+1.70xN	2.45+0.200xN	0.070	150
GK... 550H	50	124	532	73	478	11.70+1.66xN	2.45+0.200xN	0.070	150
GK... 550T	50	125	532	73	478	10.00+1.55xN	2.25+0.200xN	0.068	150
GK... 770M	45	278	539	200	460	13.40+1.73xN	7.80+0.470xN	0.170	250
GK... 770H	45	278	539	200	460	13.40+1.73xN	7.80+0.470xN	0.170	250
Also available as an advanced evaporator with a special "Delta Injection" TM distribution system for the refrigerant inlet.									
GK... 550H-AE	50	124	532	73	478	11.70+1.66xN	2.45+0.200xN	0.070	100
GK... 770H-AE	45	278	539	200	460	13.40+1.73xN	7.80+0.470xN	0.170	250

*N = number of plates

SPECIFICATIONS

- ▶ Plate Material: Stainless steel AISI 316L / 1.4404
- ▶ Brazing Material: Copper

FEATURES

- ▶ Safety ChamberTM (model 108H, 228H, 770M, 770H)
- ▶ Delta InjectionTM (model 550H, 770H)
- ▶ Distribution Technology EQ-Pipe (model 550M, 550H, 550T, 770M, 770H)

PERFORMANCE LIMITS GKE

- ▶ Working temperature: -196°C to +200°C / -321°F to + 392°F
- ▶ Working pressure: up to 30 bar / 435 psi

PERFORMANCE LIMITS GKS

- ▶ Working temperature: -196°C to +200°C / -321°F to + 392°F
- ▶ Working pressure: up to 40 bar / 580 psi

PERFORMANCE LIMITS GKH

- ▶ Working temperature: -196°C to +200°C / -321°F to + 392°F
- ▶ Working pressure: up to 50 bar / 725 psi

APPROVAL

- ▶ PED (CE)
- ▶ ASME VIII-1

The specifications contained in this brochure are intended only to serve the non-binding description of our products and services and are not subject to guarantee. Binding specifications, especially pertaining to performance data and suitability for specific operating purposes, are dependent upon the individual circumstances at the operation location and can, therefore, only be made in terms of precise requests.

We need following information to select your optimum heat exchanger

- ▶ Required temperature range
- ▶ Flow rates or required heat load
- ▶ Maximal permitted pressure drop
- ▶ Required working conditions