

EMMEGI HEAT-EXCHANGERS

Scambiatori a Piastre Saldobrasate

Brazed Plate Heat Exchangers

Scambiatori a Piastre Saldobrasate

Blazed Plate Heat Exchangers

Vantaggi degli scambiatori a piastre saldobrasate

- *Alto coefficiente di scambio termico;*
- *Dimensioni contenute con alte performance;*
- *Alta resistenza alla pressione e temperatura;*
- *Connessioni in AISI 321;*
- *Facile installazione;*

Gli scambiatori a piastre sono costituiti da piastre corrugate.
Le piastre sono ruotate di 180° l'una dall'altra al fine di creare un reticolo di canali intersecati.
I fluidi possono fluire sia in controcorrente che equicorrente.
Le piastre sono unite insieme tra loro con materiale brasante in speciali forni sottovuoto.
La speciale corrugazione permette al fluido di turbolare aumentando lo scambio termico e riducendo i depositi di sporco nelle piastre.

Advantages of Brazed Plate Heat Exchangers

- *High heat transfer coefficient;*
- *Small unit size with high heat transfer capacity;*
- *High resistance to pressure and temperature fluctuations;*
- *Stainless steel connections;*
- *Easy installation;*

Brazed plate heat exchangers consist of stainless steel plate packs, which have embossed chevron patterns.
The plates are turned 180°to each other, causing the plate ridges to intersect, and creating a lattice of intersecting channels. The fluids can flow in counter-current or co-current way.
The entire construction is sealed together by the means of brazing in a special vacuum furmace.
Special corrugation patterns promote high turbulence flow. Turbulence dramatically improves heat transfer rates and reduces the amount of deposits inside the unit.



Dimensioni *Dimensions*

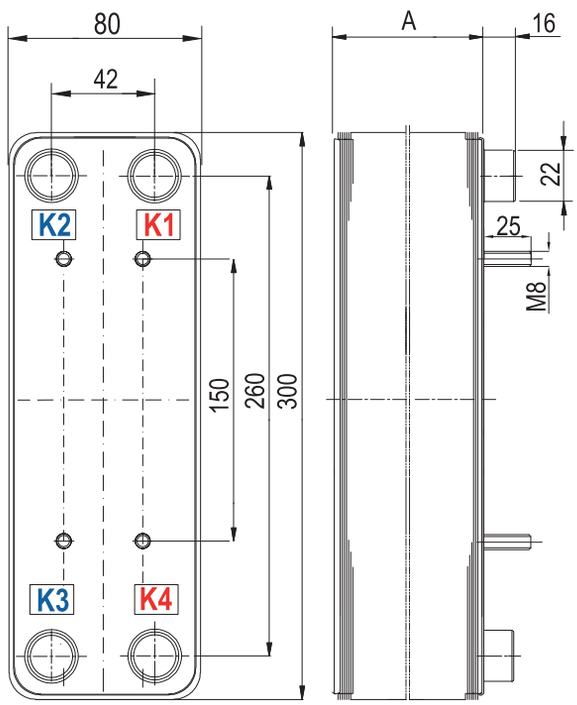
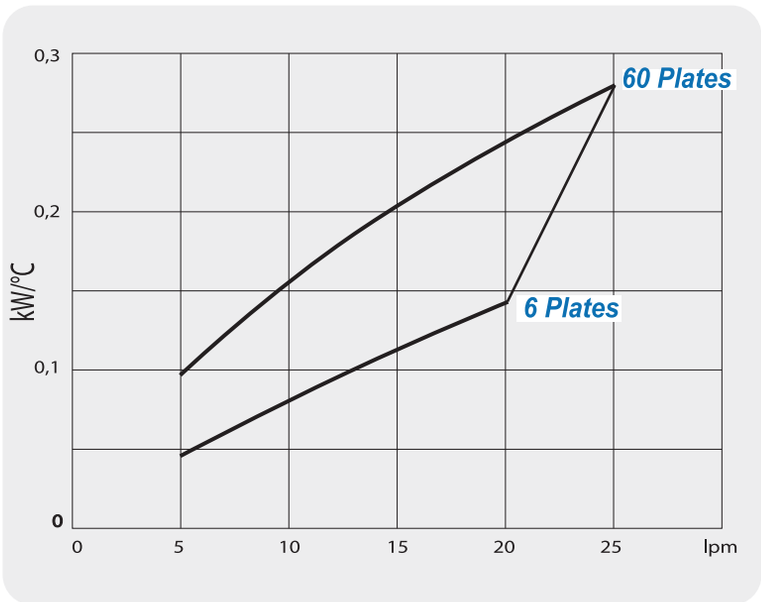


Diagramma rendimento *Performance diagram - ISO VG46 @50°C*



Rapporto portata olio/acqua 2:1 - flow ratio 2:1

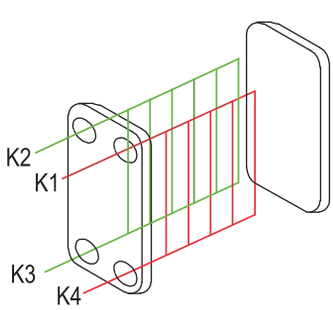
Per informazioni inerenti la perdita di carico contattare EMMEGI.
For pressure drop information please contact EMMEGI.

Collegamenti Standard Standard of Connection Location	Connessioni Connection Types
K1 / K4 - Ingresso/uscita caldo **K1 / K4** - Inlet/Outlet Hot Side	G 1/2" Femmina Internal Thread G 1/2"
K3 / K2 - Ingresso/uscita freddo **K3 / K2** - Inlet/Outlet Cold Side	G 1/2" Femmina Internal Thread G 1/2"

A richiesta connessioni speciali
Special connections on request

Condizioni di esercizio Working Conditions	
Massima Temperatura Max. Working Pressure	230°C
Minima Temperatura Min. Working Temperature	-10°C
Massima Pressione Max. Working Pressure	30 bar

Materiali Utilizzati Materials	
Piastre Plate	Aisi 316
Attacchi Connection	Aisi 316
Brasatura Brazing Material	Cu 99,95%



N° Piastre Plate No.	A (mm)	Peso (kg) Weight (kg)	Capacità per circuito Channel Volume (lt)
6	23	1.2	0.1
10	32	1.5	0.2
20	55	2.3	0.4
30	78	3.0	0.5
40	101	3.7	0.7
50	124	4.5	0.9
60	147	5.2	1.1

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Overall dimensions and technical characteristic are not binding