TEMPCO
SOLID TEMPERATURE

Scambiatori di calore a Piastre

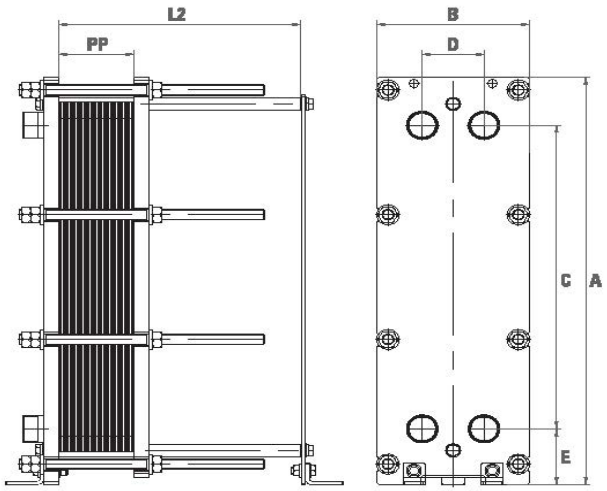
T PLATE P SW - DW

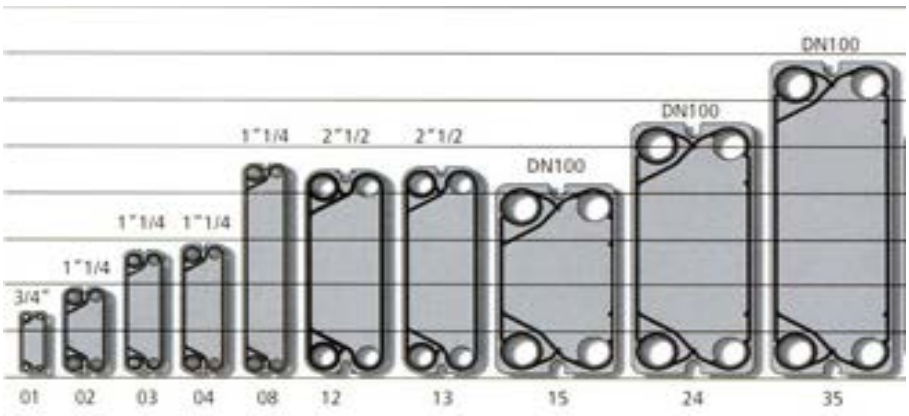
Plate Range Dimensions

Model	TCP 01	TCP 02	TCP 03	TCP 04	TCP 08	TCP 10	TCP 12	TCP 13	TCP 15	TCP 24	TCP 35
Plate ex. area m2	0,01	0,02	0,03	0,04	0,08	0,10	0,12	0,13	0,15	0,24	0,35
A mm	219	304	428	454	739	735	705	724	656	876	1090
C mm	175	231	357	380	666	494	592	603	503	719	935
B mm	90	141	120	141	141	310	250	241	376	376	376
D mm	46	69	60	69	69	126	135	124	223	223	223
Conn. Ø	3/4"	1"1/4	1"1/4	1"1/4	1"1/4	2"	2"1/2	2"1/2	DN100	DN100	DN100
Channel volume	0,03	0,05	0,08	0,09	0,17	0,25	0,26	0,28	0,475	0,66	0,845
Max nr. of plates	41	47	67	67	67	200	200	200	300	300	300

Gasket material	Max temp.
NBR	110°C
NBR HT	150°C
EPDM	160°C
VITON	200°C

Plate material
aisi 304
aisi 316
titanium





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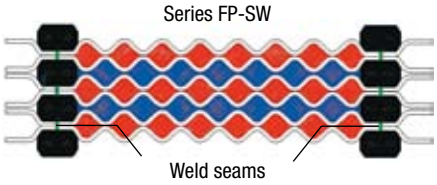
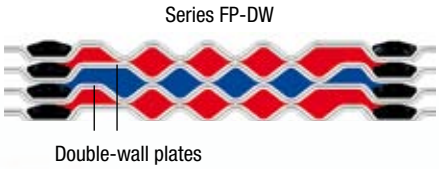
Welded cassettes

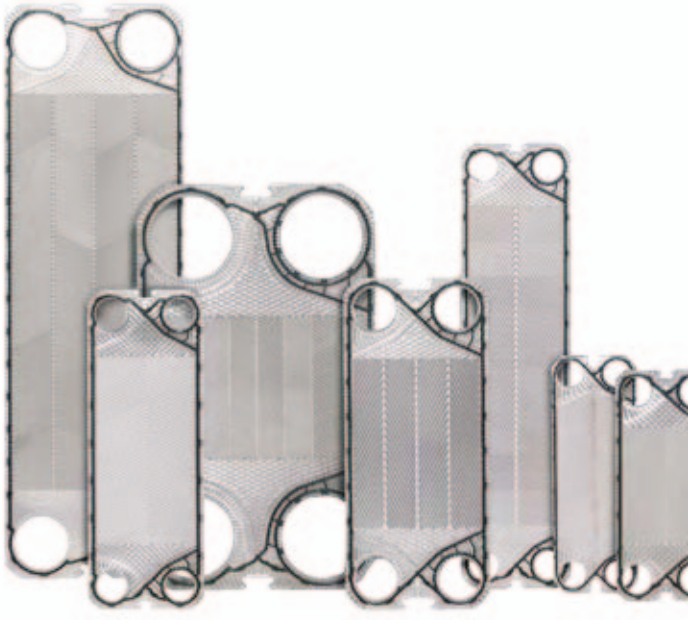
In this design special media, such as ammonia in cooling applications, flows through welded plate pairs. On the water side between the cassettes, specially designed gaskets are used.



Double-wall plates

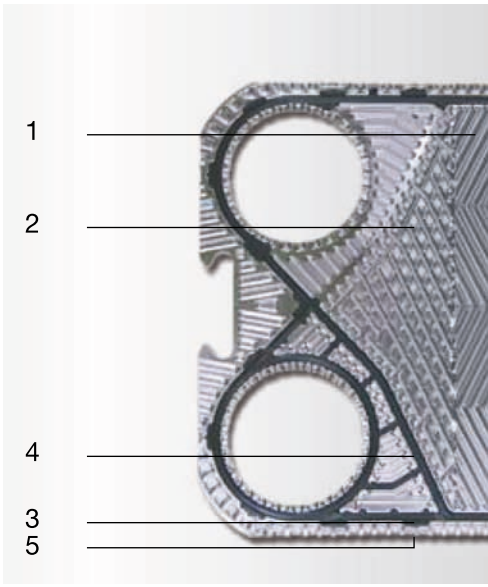
These plates provide maximum protection against the mixing of media used in the heat exchange process. Two simultaneously embossed plates are laser-welded at the port holes. If there is a leak, fluids can escape at the edges of the plate pair.





Short overview of plate and gasket:

- very high heat transfer rates due to thermodynamically optimized design
- corrugation fields with “Off-Set” embossing allow for symmetrical and asymmetrical flow gaps (1)
- specially embossed entry fields for an optimum distribution of media (2)
- gaskets fastened by “Clip-system” for easy maintenance
- gaskets have a special ribbed surface, enabling more exact centring and stabilization of the entire plate pack (3)
- double gasket with leakage groove between two media, preventing mixing of the media (4)
- special plate profile at the edges, reinforcing the plate pack and ensuring high pressure resistance of the gasket during operation (5)



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