T PLATE P SW - DW

Scambiatori a piastre ispezionabili
Gasketed plate heat exchangers

Scambiatori di calore a piastre ispezionabili T PLATE P
Gli scambiatori di calore a piastre ispezionabili serie T PLATE P, sono composti da un telaio di contenimento che può essere in acciaio verniciato o in acciaio inossidabile (per applicazioni alimentari o farmaceutiche), con una serie di piastre complete di guarnizioni applicate con sistema a clip, con differenti lunghezze termiche, profondità di stampaggio ed angoli di incrocio.
Materiali piastre standard: AISI 304, AISI 316, TITANIO, TITANIO/PALLADIO, 254SMO, HASTELLOY C276, INCONEL, MONEL
Materiali guarnizioni standard: NITRILE, NITRILE PEROSSIDO, EPDM, EPDM PEROSSIDO, GOMME FLUORURATE, FPM, PTFE
Tipologia di guarnizioni: AD INCASTRO (**CLIP**), INCOLLATE
Gamma piastre standard
Connessioni da DN25 fino a DN500
Standard connessioni:
• filettate gas maschio/femmina UNI e/o BSP,
• flangiate UNI, ANSI, SAE
• TRICLAMP, per esecuzioni alimentari e farmaceutiche
Pressioni da PN6 fino a PN25, full vacuum
Temperature da -50°C fino a +200°C
TELAI
• Acciaio al carbonio verniciato
• Cicli di verniciatura speciali su base epossidica per ambienti aggressivi e/o marini
• Verniciatura antiacido
• Verniciatura teflonata
• Cicli speciali per ambienti alimentari
• Acciaio inox multipassaggio per esecuzioni alimentari
• Multisezione per pastorizzatori
• Twin unit
TIRANTERIA
• Acciaio al carbonio zincato
• Acciaio inox con bulloneria in ottone per esecuzioni alimentari
ESECUZIONI SPECIALI
Versioni sanitizzabili, con piastre elettrolucidate per applicazioni farmaceutiche

Gasketed plate T PLATE P
Tempco T PLATE P plate heat exchangers are complete of a support frame in painted carbon steel or stainless steel (for food and diary or pharma applications) and a plate pack with clip gaskets. There are different thermal lenghts, pressing depth and chevron angle.
STANDARD PLATES MATERIALS: AISI 304, AISI 316, TITANIO, TITANIO/PALLADIO, 254SMO, HASTELLOY C276, INCONEL, MONEL
STANDARD GASKETS MATERIAL: NITRIL, NITRIL PEROXIDE, EPDM, EPDM PEROXIDE, FPM, PTFE
GASKETS TYPE: LOCK SYSTEM GLUELESS (**CLIP**), GLUED
STANDARD PLATES RANGE
Connections from DN25 up to DN500 Standard connections:
• threaded external or internal UNI and/or BSP,
• flanged UNI, ANSI, SAE
• TRICLAMP, for food and diary or pharmaceutical applications
Pressure range from PN6 up to PN25, full vacuum.
Temperature range from -50°C up to +200°C.
FRAMES
• Painted carbon steel
• Epoxy painting system for marine or aggressive environment
• Acid proof painting
• Teflon based painting
• Special paniting system per food anvironment
• Stainless steel multipass for diary applications
• Pasteurizer multisection frames
• Twin unit
BOLTS
• Galvanized carbon steel
• Stainless steel sor food and diary executions
SPECIAL EXECUTIONS
Electropolished plates for pharmaceutical applications

Tempco Srl / via Lavoratori Autobianchi, 1 / 20832 Desio (MB) Italy / T +39 0362 300830 / F +39 0362 300253 / P.IVA 03026390967
www.tempco.it / **info@tempco.it**

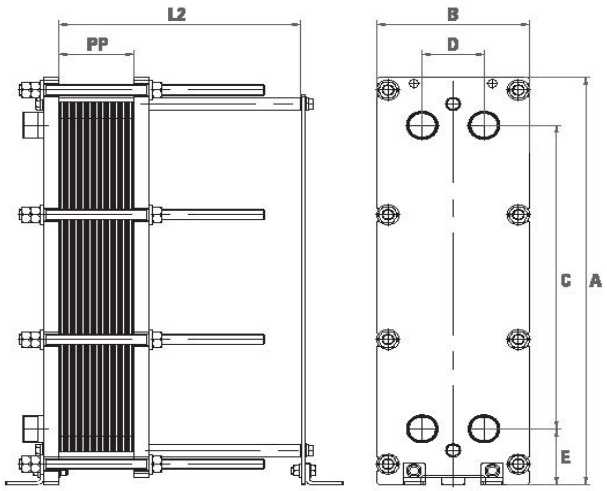
T PLATE P SW - DW

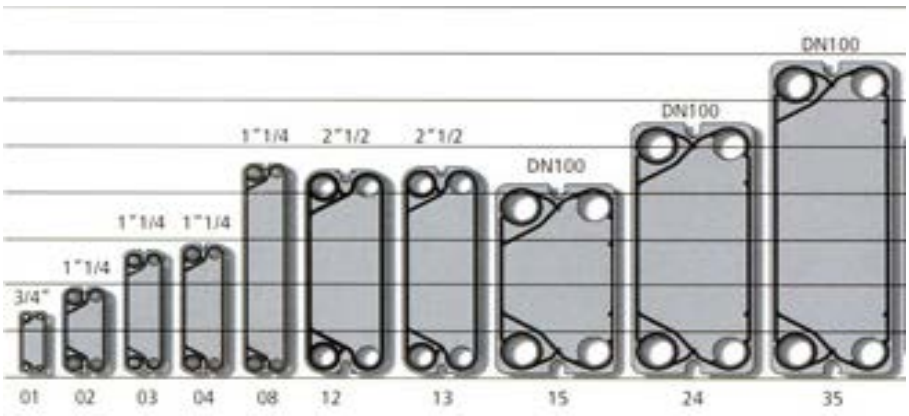
Plate Range Dimensions

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

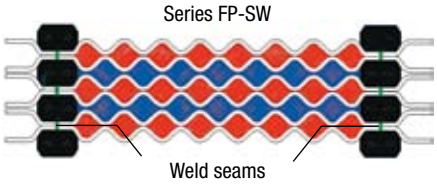




Tempco Srl / via Lavoratori Autobianchi, 1 / 20832 Desio (MB) Italy / T +39 0362 300830 / F +39 0362 300253 / P.IVA 03026390967
www.tempco.it / **info@tempco.it**

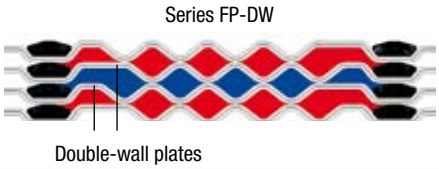
Welded cassettes

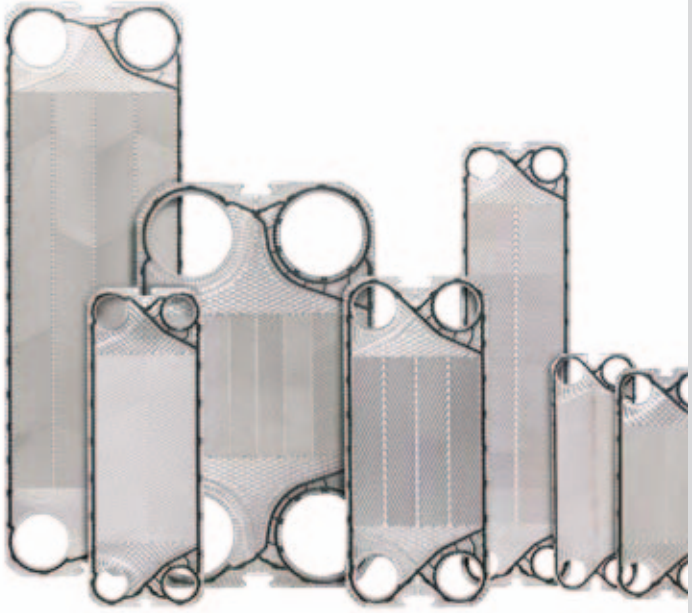
In this design special media, such as ammonia in cooling applications, flows through welded plate pairs. On the water side between the cassettes, specially designed gaskets are used.



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)