B10T High-pressure

Le modèle B10T, très polyvalent, propose des solutions d'échange thermique pour une large fourchette de capacités. Son adaptation à de nombreuses applications est rapide et simple. La flexibilité et l'excellent transfert thermique de ce produit en font le choix idéal pour les applications de rafraîchissement exigeantes, et comme condenseur dans les applications à deux phases.

Les produits haute pression polyvalents de SWEP permettent d'obtenir un échange thermique efficace dans les applications qui associent des flux peu importants et des pressions particulièrement élevées. Ce produit possède un agrément pour des pressions jusqu'à 45 bars (650 psi). Il peut donc être utilisé avec la majorité des réfrigérants haute pression actuellement sur le marché.

Standard connections

For specific dimensions, or information about other types of connections, please contact your SWEP sales

Externally Threaded Connections (Male)

Victualic connections

Soldering Connections (Sweat Connections)

Internally Threaded Connections (Female) of Standard Type

Internally Threaded Connections (Female) with a Hexagonal Exterior

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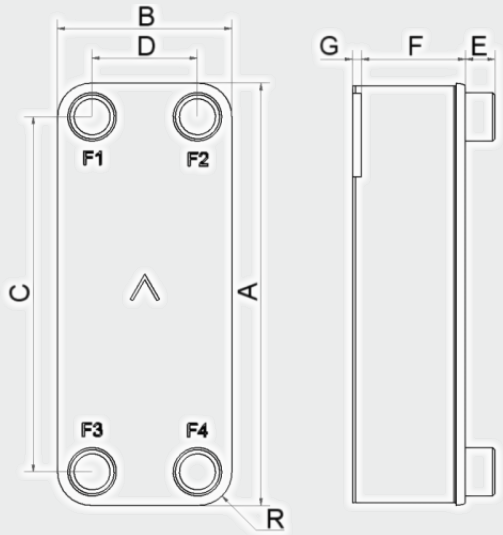
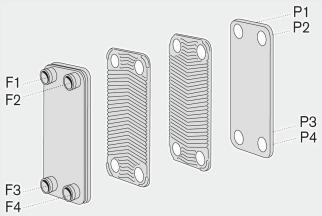


Measurements	(mm)	Tolerance
A	289	+2 /-2
B	119	+1 /-1
C	243	+1 /-1
D	72	+1 /-1
E	20.1 (opt. 45.1)	+1 /-1
F	8+2.24xNoP	+0.5% /-1.5%
G	4	+1 /-1
R	22	
Port size F/P	24	



Technical data

Working conditions	Inner circuit	Secondary circuit
Max working pressure at155°C	45 bar	45 bar
Max working pressure at225°C	42 bar	42 bar
Test pressure	75 bar	75 bar

Min temperature: -196°C

Max temperature: 225°C

Max number of plates (NoP): 140

BPHE weight: 2.198 + NoP x 0.096 kg

Plate material: Parts in contact with fluid: AISI 316
Parts not in contact with fluid: AISI 304

Brazing material: Pure Copper

Standard connection material: AISI 316

SSP calculator software
With SWEP's unique SSP G7, the SWEP Software Package, you can do advanced heat transfer calculations yourself, and choose the product solution that suits your application best. It's also easy to choose connections and generate drawings of the complete product. If you would like advice, or you would like to discuss different product solutions, SWEP offers all the service and support your need.

Third party approvals
SWEP BPHEs are generally approved by below certification organizations.

Europe, Pressure Equipment Directive (PED)
America, Underwriters Laboratories Inc (UL)
Japan, Kouatsu-Gas Hoan Kyoukai (KHK)

Additionally SWEP holds approvals from a vast variety of other certification organizations. For approval information regarding a specific product please contact your local SWEP representative. SWEP reserves the right to make changes without prior notice.

Material disclaimer
The information and recommendations in regards to the products are presented in good faith, however, SWEP makes no representations or warranties as to the completeness or accuracy of the information. Information is supplied upon the condition that the purchasers will make their own determination as to the products' suitability for their purposes prior to use. Purchasers should note that the properties of the products are both application and material selection dependent and that products containing stainless steel, both 316 and 304 families, are still subject to corrosion if used in unsuitable environments. Purchasers should also be advised that stainless steel from the 304 family can be more sensitive in regards to corrosion than stainless steel from the 316 family. By purchasing products displayed here upon SWEP disclaims all responsibility due to corrosion of the products and/or other materials attached to the products and also for any damages resulting from the use of the products.

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