B45

COMPACT BRAZED HEAT EXCHANGER

Experience the true original: the B-type

The B45 has been specially developed to operate in demanding heating and industrial applications, typically water-water applications and oil coolers. The product has contributed to the rapid switch to CBEs from traditional gasketed plate heat exchangers and shell-and-tube solutions.

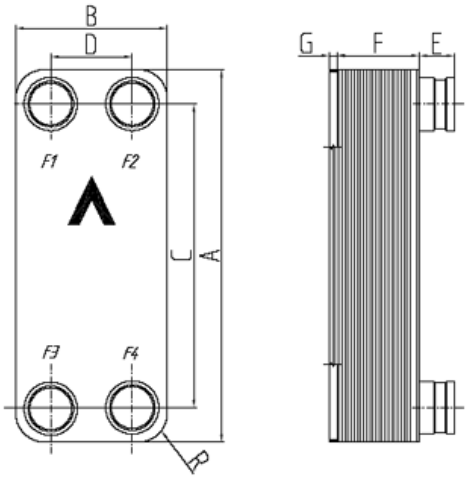
Easy to choose the right product solution

With SWEP's unique SSP CBE, 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 (selection)

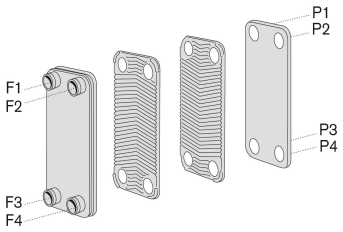
Europe, Pressure Equipment Directive (PED 97/23/EC)

For additional information please contact your local SWEP representative. SWEP reserves the right to make changes without prior notice.



Measurements(mm)		Tolerance
A	525	+2 /-2
B	243	+1 /-1
C	456	+1 /-1
D	174	+1 /-1
E	27.1 (opt. 54.2)	+1 /-1
F	10+2.34xNP	+0.5% /-1.5%
G	4	+1 /-1
R	35	

Portsize F/P: 39mm



CBE port naming

STANDARD CONNECTIONS

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

Externally Threaded Connections (Male)

Internally Threaded Connections (Female) of Standard Type

Soldering Connections (Sweat Connections)

Internally Threaded Connections (Female) with a Hexagonal Exterior

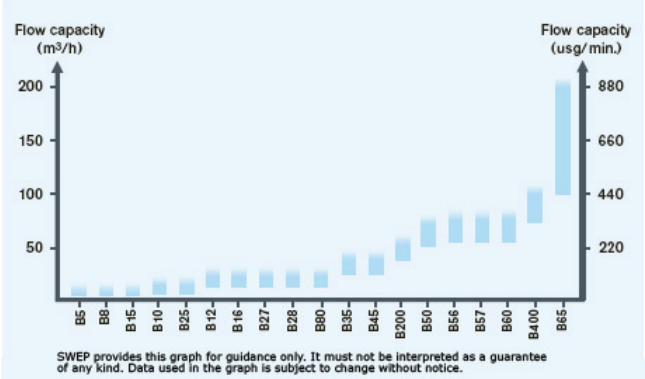
Victualic connections

Flanges of DIN/DNC Type

TECHNICAL DATA

Max working pressure at 155ºC	Inner circuit: 31 bar (450psi)
	Outer circuit: 31 bar (450psi)
Max working pressure at 225ºC	Inner circuit: 27 bar (392psi)
	Outer circuit: 27 bar (392psi)
Test pressure:	50 bar (725psi)
Min temperature:	-196ºC (-321F)
Max temperature:	225ºC (437F)
Max number of plates (NoP)	250
CBE weight	10+NoPx0.427kg (22+NoPx0.9lbs)
Hold-up volume: inner circuit	(NoP/2-1)x0.241 litres
	((NoP/2-1)x0.009 gal.)
Plate material:	EN 10028/7-1.4401 (AISI 316)
Brazing material:	Pure Copper
Connection material	EN 10272-1.4401 (AISI 316)

CAPACITY GRAPH



SWEP INTERNATIONAL AB

Box 105, SE-261 22 Landskrona, Sweden
Phone +46 418 40 04 00
Fax +46 418 292 95
Internet: www.swep.net
E-mail: info@swep.net

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