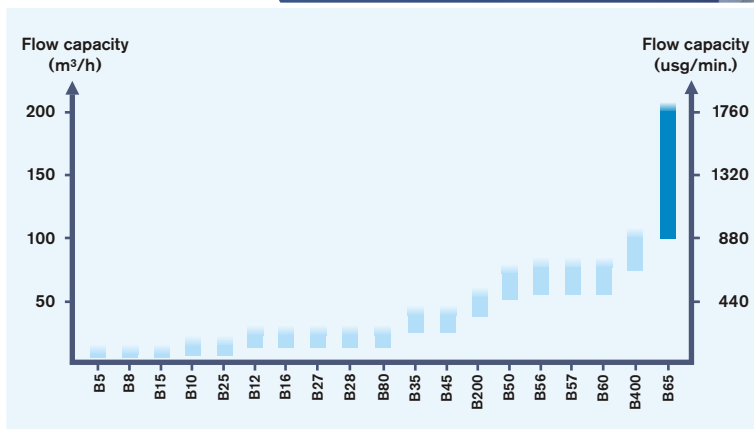
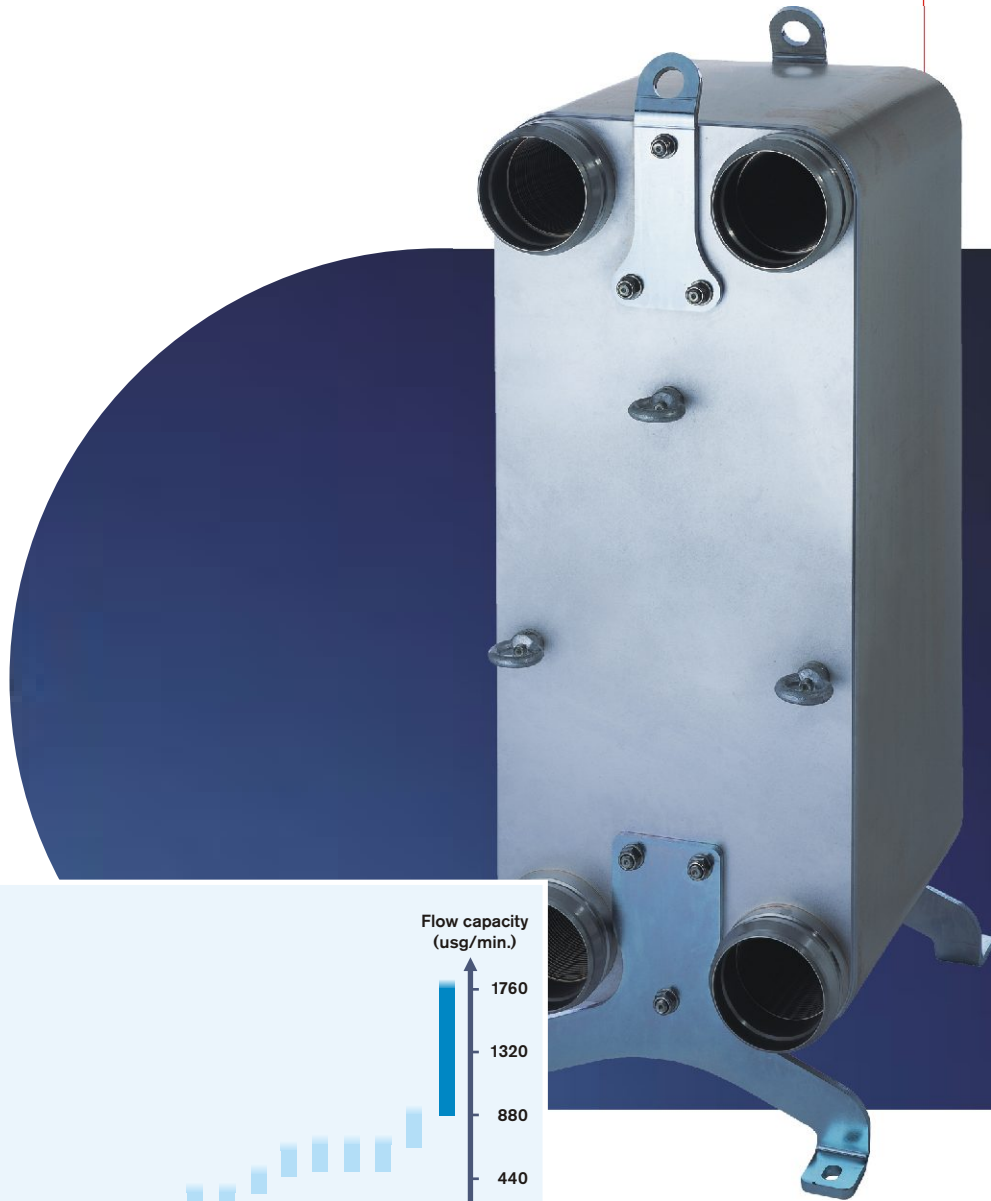


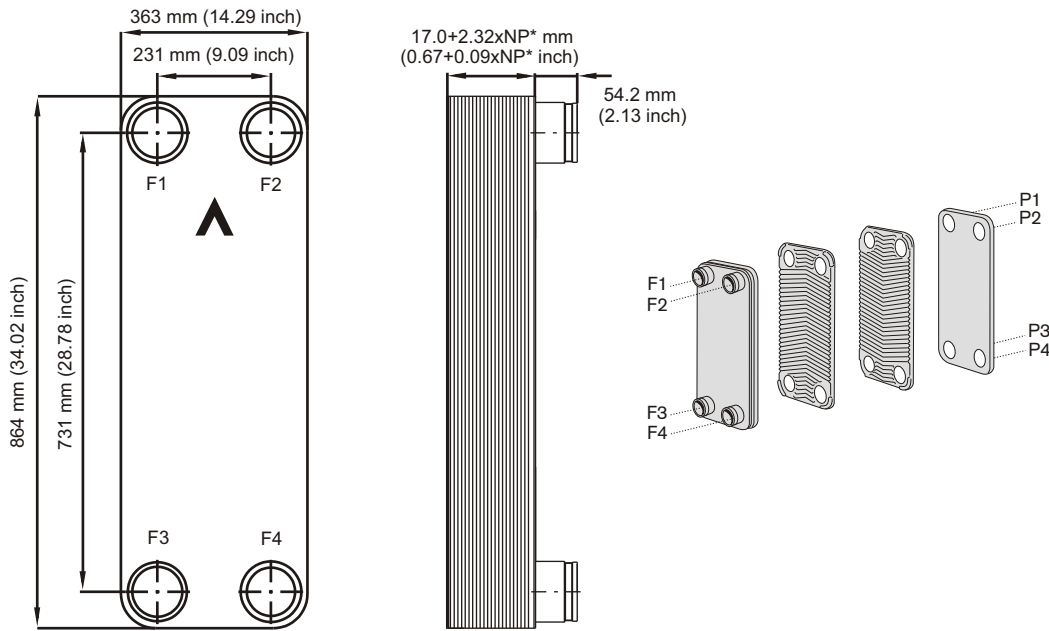
# COMPACT BRAZED HEAT EXCHANGER

# B65



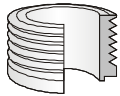
This product is the choice for applications with particularly high capacity requirements. The product offers a solution for the most demanding industrial and heating applications but it also works excellent as condensers in two-phase applications. Its compact design and ability to operate at high capacities have quickly made the B65 the replacement for traditional gasketed plate heat exchangers and shell-and-tube solutions.

# B65

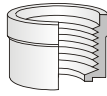


## STANDARD CONNECTIONS

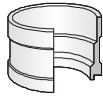
For specific dimensions, or information about other types of connections, please contact your SWEP sales representative.



Externally threaded



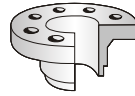
Internally threaded



Soldering



Victaulic



DNC Flanges

## TECHNICAL DATA

Max flow rate	200 m <sup>3</sup> /h (881 usg/min.)
Max working pressure at 155°C (311°F)	30 bar (435 psi)
Max working pressure at 225°C (437°F)	26 bar (377 psi)
Min working temperature	-196°C (-321°F)
Test pressure	49 bar (711 psi)
Max. Number of plates	300
CBE weight dry (approx.)	57.5 + 1.080 × NP* kg (126.77 + 2.38 × NP* lb)
Hold-up volume: inner circuit	0.590 × (NP*/2 - 1) litre (0.156 × (NP*/2 - 1) gal.)
Hold-up volume: outer circuit	0.590 × NP*/2 litre (0.156 × (NP*/2) gal.)
Standard connection size	DN100C
Connection height	54.2 mm (2.13 inch) or 112.2 mm (4.42 Inch)

\*NP = Number of plates

## MATERIAL

Plate material:	EN 10028/7-1.4401 (AISI 316)
Brazing material:	Pure copper
Connection material:	EN10272 - 1.4401 (AISI316) or EN10222 - 1.0305 (A106)

## THIRD-PARTY APPROVALS (selection)

Europe, Pressure Equipment Directive (PED 97/23/EC)  
 USA, Underwriters Laboratories (UL)  
 USA, American Society of Mechanical Engineers (ASME)  
 Canada, Canadian Standard Association (CSA)  
 Japan, The High Pressure Gas Safety Institute of Japan (KHK)

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

## THE B LINE – OUR BASIC RANGE

The majority of SWEP's CBEs are classified as B-types. The B-types are suitable for most applications. Although the B-type CBEs are "standard", there is a huge variety of plate sizes, port sizes, plate pattern combinations, connections etc. And SWEP's unique plate design enables a virtually unlimited number of combinations in any given plate package execution to precisely match the thermal transfer requirements of your application.



## 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 you need.

If you would like more information about B65 or our other products, please contact your local SWEP representative.