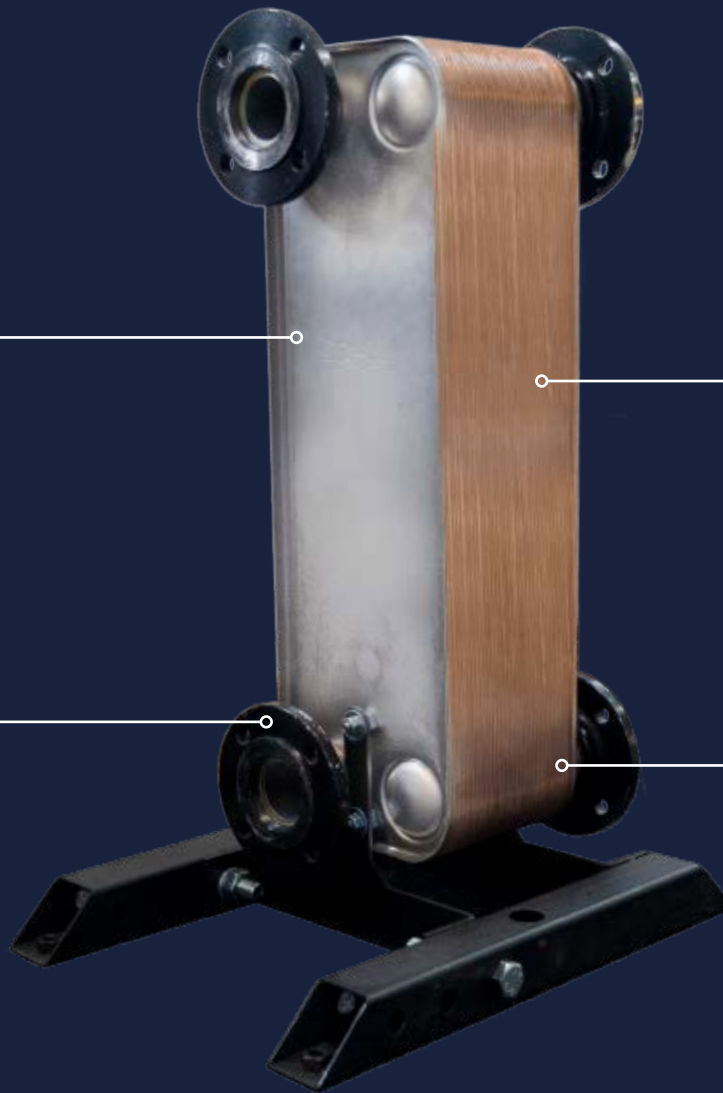


BRAZED PLATE HEAT EXCHANGER

150kW



Compact design



Separates system
water from the boiler



Low maintenance
and self-cleaning

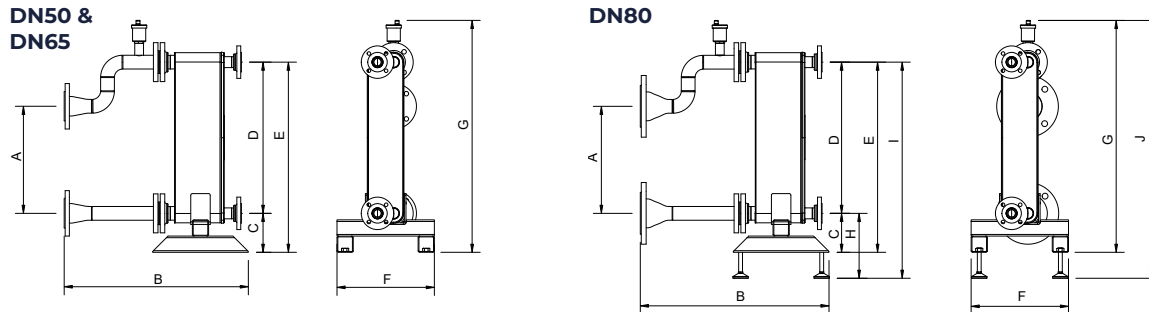


Used with Ideal
Heating Cascade kits

BRAZED PLATE HEAT EXCHANGER 150kW

TECHNICAL SPECIFICATIONS

150kW is the nominal capacity of the plate heat exchanger applying the operating conditions shown below. Please contact Ideal Heating to confirm the expected performance if the operating conditions differ from those shown.



DIMENSIONS

	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM I	DIM J
DN50	330	568	120	466	586	300	715	N/A	N/A	N/A
DN65	330	582	120	466	586	300	715	N/A	N/A	N/A
DN80	330	582	120	466	586	300	714	200	666	794

	UNITS	HOT SIDE	COLD SIDE
Mass flow rate	kg/s	1.79	1.79
Inlet temperature	°C	80	50
Outlet temperature	°C	60	70
Pressure drop	kPa	12	18
Heat exchanged	kW	150	
Heat transfer area	m ²	3.4	
Flow configuration		Countercurrent	
Number of plates / thickness		60 / 0.3 mm	
Number of passes		1	1
Pressure vessel code		PED	
Design pressure at 90.00 Celsius	Bar	40	40
Design pressure at 225.0 Celsius	Bar	32	32
Design temperature	°C	-196.0 / 225.0	
Overall length x width x height	mm	232 x 113 x 527	
Volume	L	3.1	3.0
Net weight, empty / operating	kg	13.3 / 19.3	

STANDARD MATERIALS

Cover plates	Stainless steel
Connections	Stainless steel
Plates	Stainless steel
Brazing	Copper

PLEASE NOTE:

The plate heat exchangers are to be used for system separation only. They must not be used for the direct production of domestic hot water.

They should not be used for direct heating of swimming pool water where the chlorinated pool water would pass directly through the plate heat exchanger.

CONNECTIONS

FRAME & HEADER

	DN50	DN65	DN80	DN100
Evomax 2				
Standard Height Cascade			✓	
Low Height Cascade	✓	✓	✓	
Imax Xtra 2				
Cascade			✓	

SYSTEM

DN25

FLANGED

PN6