

Brazed plate heat exchanger kit

300kW



Small installed footprints



Suitable for a range of ACV products



Bespoke spools designed for connection to Evo S cascade frame and header kits



A complete system separation solution



Low maintenance and self-cleaning



Optimum heat transfer

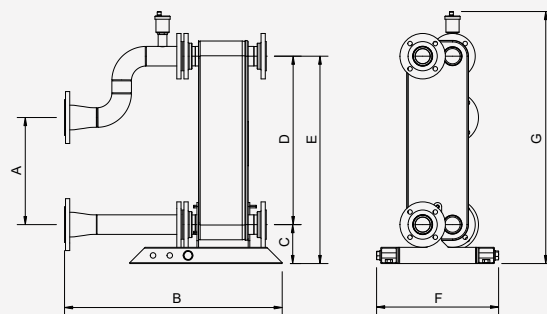
Technical specifications

300kW is the nominal capacity of the plate heat exchanger applying the operating temperatures and temperature differentials shown below.

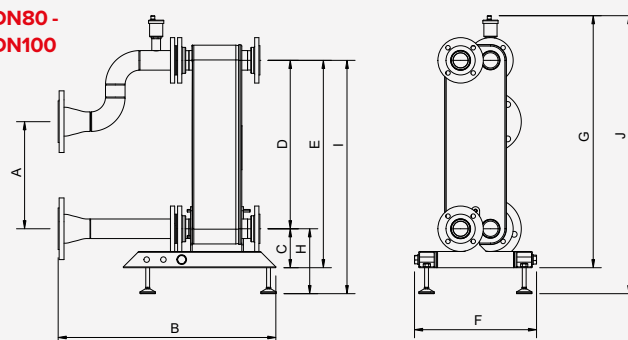
Please contact ACV UK to confirm the expected performance if the operating conditions differ from those shown.

DIMENSIONS										
	A	B	C	D	E	F	G	H	I	J
DN65	330	671	120	519	639	376	777	N/A	N/A	N/A
DN80	330	671	120	519	639	376	777	200	719	587
DN100	330	683	120	519	639	376	777	200	719	857

DN65



DN80 -
DN100



	UNITS	HOT SIDE (PRIMARY)	COLD SIDE (SECONDARY)
Mass flow rate	kg/s	3.58	3.58
Inlet temperature	°C	80	50
Outlet temperature	°C	60	70
Pressure drop	kPa	10	11
Heat exchanged	kW	300	
Heat transfer area	m²	5.8	
Flow configuration		Countercurrent	
Number of plates / thickness		54 / 0.3 mm	
Number of passes		1	1
Pressure vessel code		PED	
Design pressure at 90.00 Celsius	Bar	30	30
Design pressure at 225.0 Celsius	Bar	25	25
Design temperature	°C	-196.0 / 225.0	
Overall length x width x height	mm	237 x 191 x 616	
Volume	L	5.7	5.5
Net weight, empty / operating	kg	25.1 / 36.0	

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	DN65	DN80	DN100
Standard Height Cascade		✓	✓
Low Height Cascade	✓	✓	✓
SYSTEM			
DN25			
FLANGED			
PN6			

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