

# Brazed plate heat exchanger kit

750kW



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



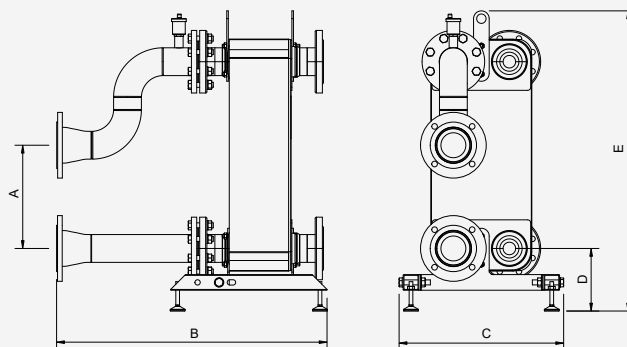
Optimum heat  
transfer

## Technical specifications

750kW 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
DN100	330	830	520	200	959
DN150	330	872	520	200	960



	UNITS	HOT SIDE (PRIMARY)	COLD SIDE (SECONDARY)
Mass flow rate	kg/s	8.98	8.98
Inlet temperature	°C	80	50
Outlet temperature	°C	60	70
Pressure drop	kPa	14.5	20.2
Heat exchanged	kW	750	
Heat transfer area	m <sup>2</sup>	17.6	
Flow configuration		Countercurrent	
Number of plates / thickness		72 / 0.3mm	
Number of passes		1	1
Pressure vessel code		PED	
Design pressure at 90.00 Celsius	Bar	19	19
Design pressure at 225.0 Celsius	Bar	15	15
Design temperature	°C	-196.0 / 225.0	
Overall length x width x height	mm	365 x 324 x 959	
Volume	L	22.9	14.6
Net weight, empty / operating	kg	66.1 / 103	

## 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	DN100	DN150
Standard Height Cascade	✓	
Low Height Cascade	✓	✓
SYSTEM		
DN25		
FLANGED		
PN6		

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