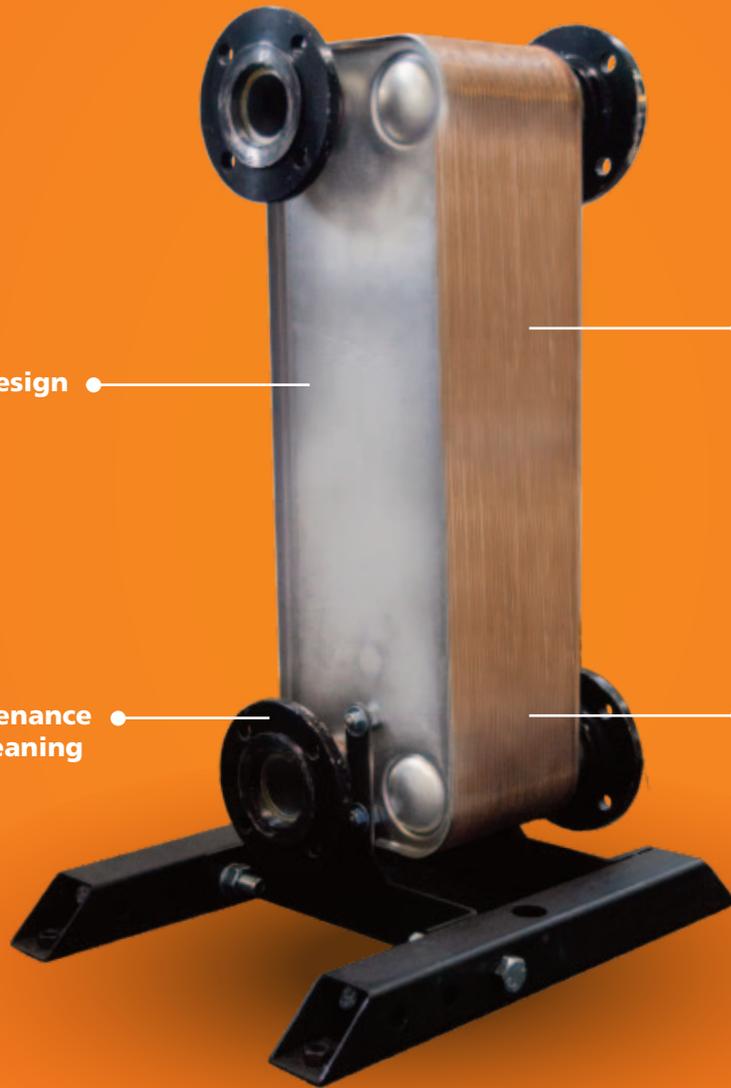


the **HAMWORTHY**

BRAZED PLATE HEAT EXCHANGER

450kW



Compact design

Separates system water from the boiler

Low maintenance and self-cleaning

Used with Hamworthy Heating Cascade kits



SCAN ME

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sales@hamworthy-heating.com | 01202 662500



Technical submittal

Products: **Brazed Plate Heat Exchanger – 450kW**

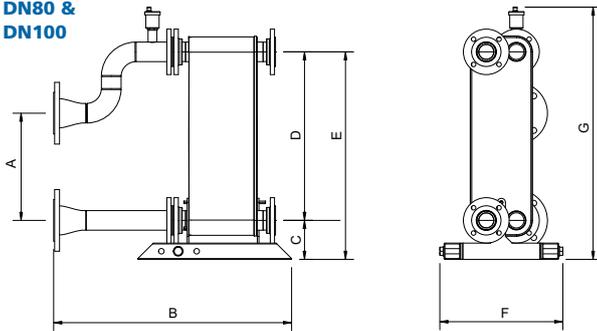
Project:

Customer:

Date:

450kW is the nominal capacity of the plate heat exchanger applying the operating conditions shown below. Please contact Hamworthy Heating to confirm the expected performance if the operating conditions differ from those shown.

DN80 &
DN100



Dimensions

Dimension	A	B	C	D	E	F	G
DN80	330	727	120	519	639	376	777
DN100	330	739	120	519	639	376	777

	UNITS	HOT SIDE	COLD SIDE
Mass flow rate	kg/s	5.39	5.39
Inlet temperature	°C	80	50
Outlet temperature	°C	60	70
Pressure drop	kPa	12.9	13.5
Heat exchanged	kW	450	
Heat transfer area	m ²	8.3	
Flow configuration	Countercurrent		
Number of plates / thickness	76 / 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	293 x 191 x 616	
Volume	L	8.0	7.8
Net weight, empty / operating	kg	32.8 / 48.2	

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

Stratton mk3	DN50	DN80	DN100
		✓	✓
System			
DN50			
Flanged			
PN6			