

the **HAMWORTHY**

BRAZED PLATE HEAT EXCHANGER

600kW

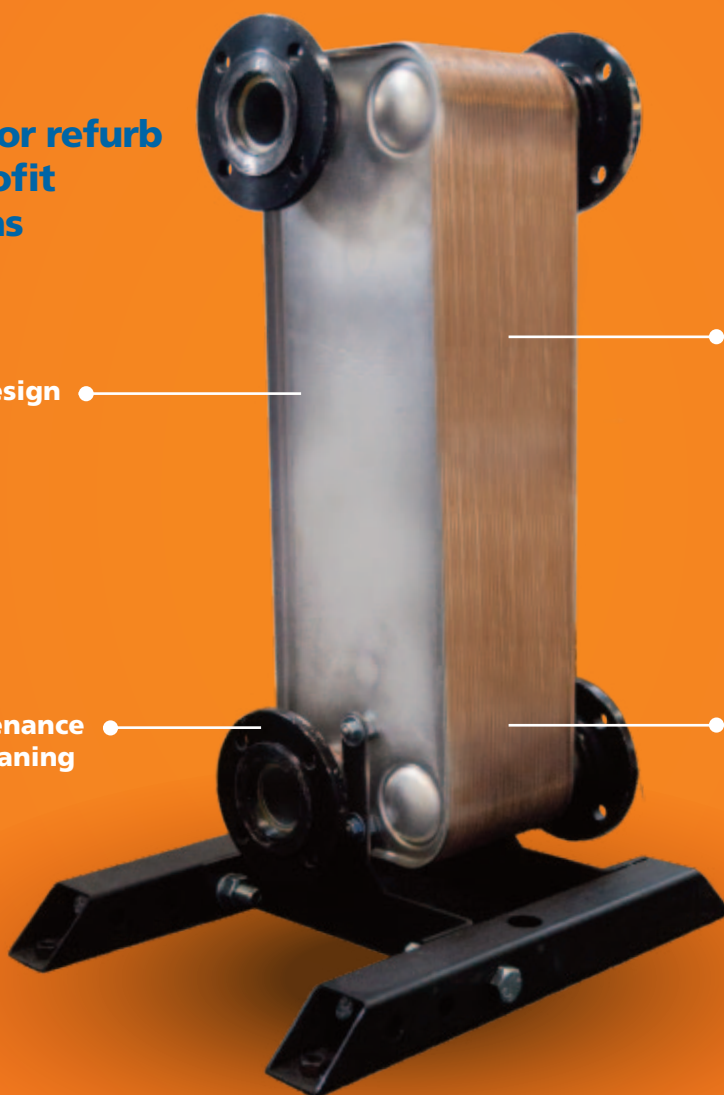
**Perfect for refurb
and retrofit
situations**

Compact design

Low maintenance
and self-cleaning

Separates system
water from the boiler

Used with Hamworthy
Heating Cascade kits



SCAN
ME

ASK
advice. specification. knowledge.



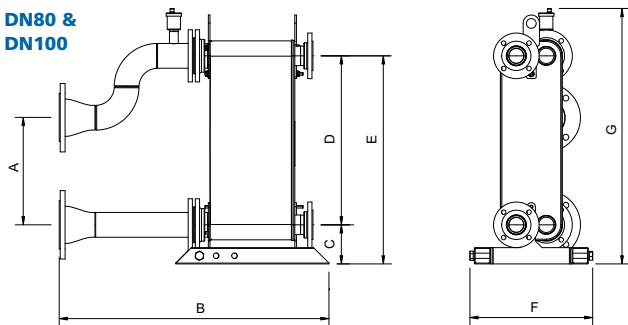
Hamworthy

Brazed Plate Heat Exchanger – 600kW



600kW 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



Installed dimensions

Dimension	A	B	C	D	E	F	G	Installed weight (including PHE, spools and support)
DN80	330	813	120	519	639	350	790	DN80 Kit = 67.5kg
DN100	330	827	120	519	639	350	790	DN100 kit = 67.5kg

	UNITS	HOT SIDE	COLD SIDE
Mass flow rate	kg/s	7.18	7.19
Inlet temperature	°C	80	50
Outlet temperature	°C	60	70
Pressure drop	kPa	14.8	17.3
Heat exchanged	kW	600	
Heat transfer area	m ²	10.5	
Flow configuration	Countercurrent		
Number of plates / thickness	96 / 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	
Volume	L	10.1	9.9

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			

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Hamworthy