

the **HAMWORTHY**

BRAZED PLATE HEAT EXCHANGER

900kW

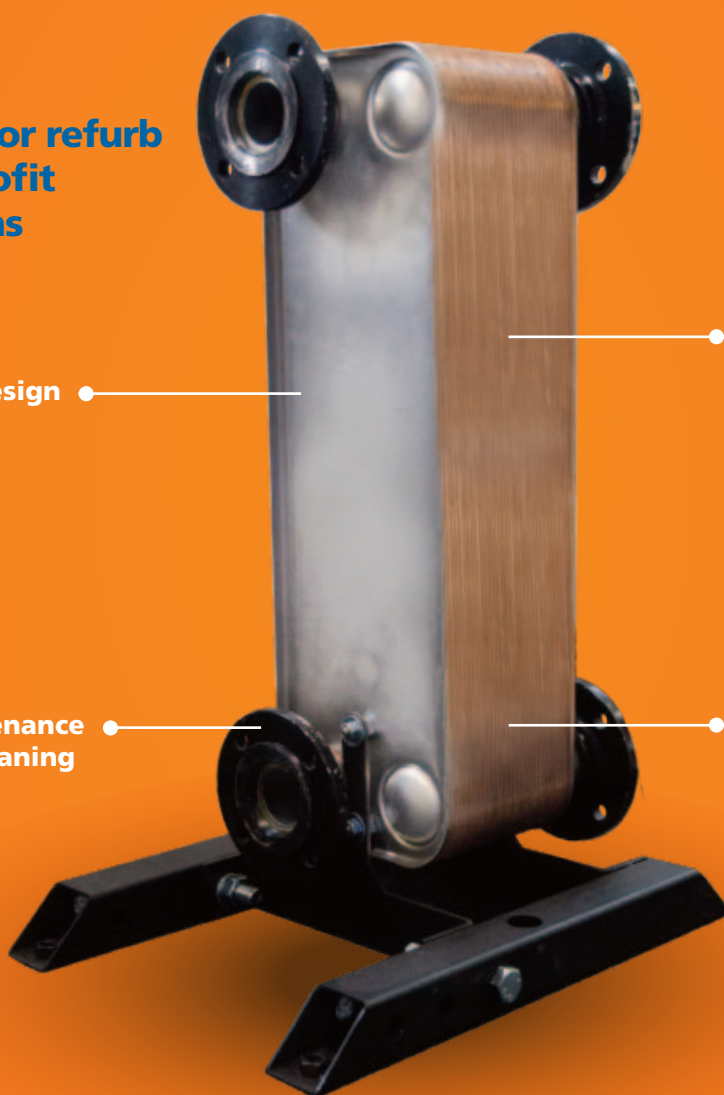
**Perfect for refurb
and retrofit
situations**

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.



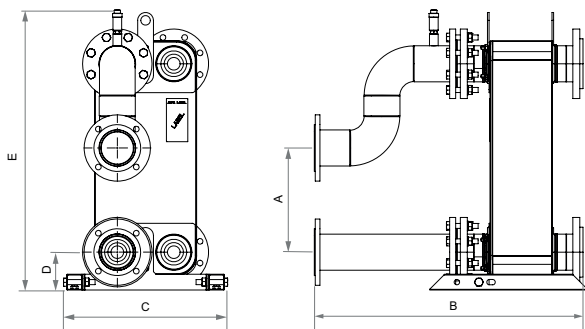
Hamworthy

Brazed Plate Heat Exchanger – 900kW



900kW 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.

DN100



Installed dimensions

| Dimension | A | B | C | D | E |
|-----------|-----|-----|-----|-----|-----|
| DN100 | 330 | 866 | 500 | 120 | 888 |

Installed weight (including PHE, spools and support)

DN100 Kit = 127.5kg

| | UNITS | HOT SIDE | COLD SIDE |
|----------------------------------|----------------|----------------|-----------|
| Mass flow rate | kg/s | 10.8 | 10.8 |
| Inlet temperature | °C | 80 | 50 |
| Outlet temperature | °C | 60 | 70 |
| Pressure drop | kPa | 14.1 | 19.4 |
| Heat exchanged | kW | 900 | |
| Heat transfer area | m ² | 21.7 | |
| Flow configuration | Countercurrent | | |
| Number of plates / thickness | 88 / 0.3 mm | | |
| 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 | |
| Volume | L | 28.0 | 17.9 |

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 |
|---------|
| DN100 |
| Flanged |
| PN16 |

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