ideal HEATING

BRAZED PLATE HEAT EXCHANGER

60kW

Compact design

Separates system water from the boiler

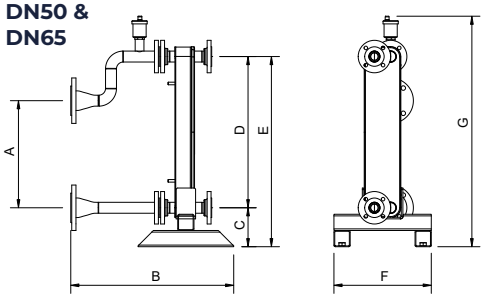
Low maintenance and self-cleaning

Used with Ideal Heating Cascade kits

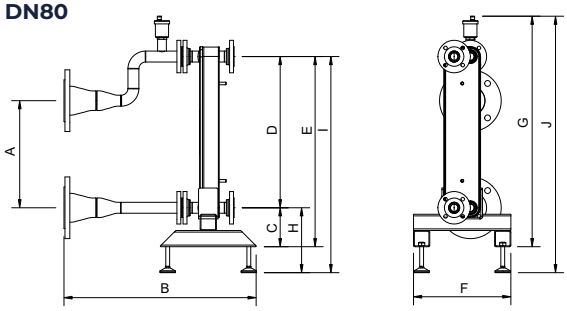
BRAZED PLATE HEAT EXCHANGER 60kW
TECHNICAL SPECIFICATIONS

60kW is the nominal capacity of the plate heat exchanger applying the operating conditions shown below. Please contact Ideal Heating to confirm the expected performance if the operating conditions differ from those shown.

DN50 & DN65



DN80



DIMENSIONS

	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM I	DIM J
DN50	330	502	120	466	586	300	710	N/A	N/A	N/A
DN65	330	516	120	466	586	300	710	N/A	N/A	N/A
DN80	330	592	120	466	586	300	710	200	666	790

	UNITS	HOT SIDE	COLD SIDE
Mass flow rate	kg/s	0.72	0.72
Inlet temperature	°C	80	50
Outlet temperature	°C	60	70
Pressure drop	kPa	14	19.3
Heat exchanged	kW	60	
Heat transfer area	m^2	1	
Flow configuration		Countercurrent	
Number of plates / thickness		20 / 0.3mm	
Number of passes		1	1
Pressure vessel code		PED	
Design pressure at 90.00 Celsius	Bar	40	40
Design pressure at 225.0 Celsius	Bar	32	32
Design temperature	°C	-196.0 / 225.0	
Overall length x width x height	mm	139 x 113 x 527	
Volume	L	1.0	0.9
Net weight, empty / operating	kg	5.8 / 7.7	

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

Evomax 2	DN50	DN65	DN80	DN100
Standard Height Cascade			✓	
Low Height Cascade	✓	✓		

SYSTEM

DN25

FLANGED

PN6