



# McDonald Water Storage

## WCPHE100 Brazed Plate Heat Exchanger Datasheet

Calculated parameters	Unit	Side1	Side2
Fluid		Water	Water
Duty	kW	100	
Inlet temperature	°C	80.0	10.0
Outlet temperature	°C	60.0	65.0
Flowrate	kg/s	1.20	0.44
Pressure drop	kPa	26.5	3.6

Specification:	Unit	Side1	Side2
Heat Exchanger Model:		UKE-BR050	
Number of plates:	---	40	
Heat transfer area:	m <sup>2</sup>	0.969	
Plate Material:	---	EN1.4401 (AISI 316)	
Brazing Material:	---	Cu	
Connection size:	---	1 inch	1 inch
Connection type:	---	BSP Male	BSP Male
Inlet / Outlet Locations:	---	T11 / T12	T21 / T22
Certification/Approval type:	---	PED Art 4.3	
Volume:	L	1.05	1.10
Weight empty:	kg	6.1	
Design Temperature:	°C	100	
Design Pressure(Max):	bar	30	

External Dimensions:			
A (mm):	306	B (mm):	106
C (mm):	250	D (mm):	50
E (mm):	105.2	F (mm):	27
Warning: Dimensions are for reference purposes only and are not to be used for construction.			

