

Brazed Plate Heat Exchanger Datasheet

Item 1

Calculated Parameters:

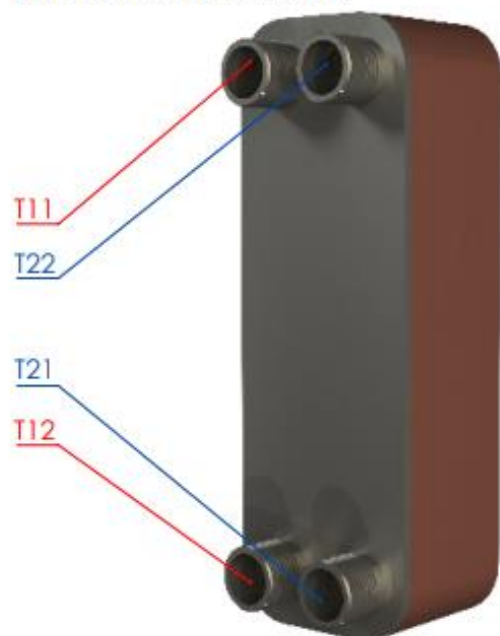
Parameter:	Unit:	Details (Side 1 / Side 2)	
kW Duty	kW	16	
Inlet Temperature	°C	60	5
Outlet Temperature	°C	55	56
Flow Rate	kg/s	0.77	0.08
Pressure Drop	kPa	19.5	0.2
Filter Ball Valve Pressure Drop (if fitted)	kPa	26.8	0.3
Fluid	---	Water	Water

Specifications:

Specification:	Unit:	Details (Side 1 / Side 2)	
Heat Exchanger Model	---	UKE-BR050-30	
Number of Plates	---	30	
Plate Material	---	EN1.4401 (AISI 316)	
Brazing Material	---	Cu	
Design Pressure	bar	30	
Design Temperature	°C	100	
Weight Empty	kg	5	
Heat Transfer Area	m ²	0.714	
WRAS Rating	---	Approved	
Approval Type	---	PED Art 4.3	
Volume	L	0.77	0.83
Connection Size	---	1 inch	1 inch
Connection Type	---	BSPT Male	BSPT Male
Connection Location	---	T11 / T12	T21 / T22

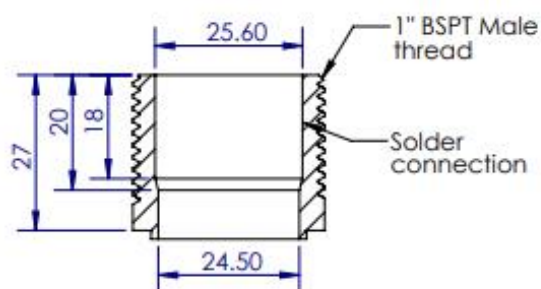
UKE-BR050 - Sales Sketch

Indicative Representation



Connections

Dual Connection

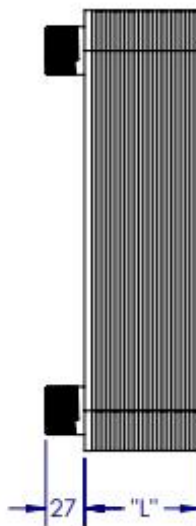
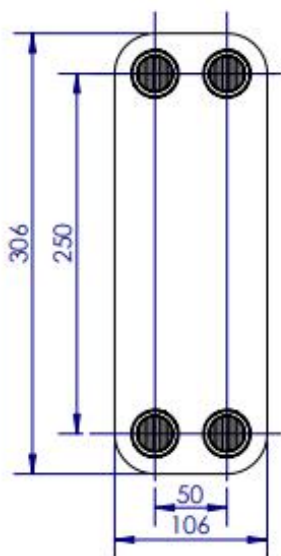


Specification

$$\text{Weight (kg)} = 1.46 + (0.116 \times N)$$

$$\text{Total Volume (ltrs)} = (N-1) \times 0.055$$

Overall Dimensions



Model	No of Plates	L mm
UKE-BR050	20	57.6
	30	81.4
	40	105.2
	50	129
	60	152.8

All Dimensions are in mm UOS